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# LIGHT

ADJUSTABLE "WHITE" FIXTURES

THE O. C. WHITE COMPANY

WORCESTER, MASSACHUSETTS

CATALOG NO. 31



## INDEX

### GENERAL INFORMATION

	Page
Terms, etc. . . . .	See below
Applied Illumination . . . . .	1
Salient Features . . . . .	2
Office Lighting . . . . .	3
Daylight, Quality Lighting . . . . .	3
Daylight Units . . . . .	4
Adjustment Features of Joints . . . . .	15
Industrial Lighting . . . . .	16
Factors of Efficiency . . . . .	16
Reference List of Users . . . . .	16
Automotive Lighting . . . . .	25

### OFFICE LIGHTING AND SPECIALTIES

	Type or Style	Page
Wall Fixtures . . . . .	F	5
Desk Fixtures . . . . .	M	6
Drafting Table Lights . . . . .		7
Desk Portables . . . . .	P	8
Store Counter Portables . . . . .	P	9
Office Machine Lights . . . . .	M	9

	Type or Style	Page
Floor Portables . . . . .	P	10
Floor Portables, Professional . . . . .	P	11
Bed Reading Lights . . . . .	BF	12
Hospital Lights . . . . .	BF, P, HD	12-13
Sewing Machine Lights (Household) . . . . .	SM	13
Store Window Lights . . . . .	FL	14
Desk Standards . . . . .	R, V	15

### INDUSTRIAL LIGHTING

	Type or Style	Page
Table Fixtures . . . . .	DC, S, LA	17
Ceiling Fixtures . . . . .	A	18
Ceiling Fixtures . . . . .	K	19
Floor Fixtures . . . . .	E	19
Wall Fixtures . . . . .	G, H	20
Wall Fixtures . . . . .	W	21
Bench Portables . . . . .	BP	21
Bench Fixtures . . . . .	D	22
Bench Fixtures . . . . .	S	23
Industrial and Automotive Portables . . . . .	GP, SP	24

## TERMS AND ORDER INFORMATION

### PRICES

Prices on all fixtures are obtained by reference to Net Price Sheets, the last issue of which should be kept with this catalog.

Prices are for bare fixtures, unless otherwise specified (see Caution).

Prices are F.O.B. Worcester, Mass., necessary wooden boxing at cost.

Prices are subject to change without notice.

### CREDIT

Unless knowing themselves to be well rated in the Commercial Agencies, customers who have not already established credit with us should send with their order either money for payment or satisfactory financial references.

### TERMS ON CREDIT

Terms of payment are "Net Cash 30 days or 2% for cash within 10 days of the date of our invoice."

### ORDERS

Care should be taken to specify:

- Quantity wanted
- Style number (from this catalog)
- Size (see Caution)
- Finish (see Caution)
- Equipment, using style number (see Caution)
- Shipping instructions.

### SHIPMENTS

In the absence of definite instructions, we exercise our best judgment as to medium to be used, considering cost and urgency of delivery.

### CAUTION

**Style Designation**—The prefix "R" indicates Package Goods (wired and equipped). The prefix "D" indicates the same with a Daylight Unit. No prefix refers to the BARE Fixture or Portable.

**Sizes**—Many industrial fixtures are made in a variety of sizes—consult catalog and price sheets for the regular sizes. Special sizes made to order.

**Finish**—Standard finishes for each fixture are specified in the catalog and price sheets. Special finishes bear an additional charge—quotations upon request.

**Equipment**—Most of the Office Fixtures and some others are priced as (use correct style designation):

**Bare**—without wiring and equipment. No prefix.

**Package Goods**—Wired and equipped as specified. Prefix "R."

**Daylight**—wired and equipped as specified including a Daylight Unit. Prefix "D."

### RETURNS

Special fixtures or fixtures with special finishes are not returnable for credit. No returned goods accepted for credit without our consent.

Handling charge is 10%.

**THE O. C. WHITE COMPANY**  
Worcester, Massachusetts



"Next to abundant daylight, no method of lighting so well satisfies the individual doing work of an exacting nature as having his own light readily adjustable to the position desired; from any direction, at any angle, and at the right distance."

—O. C. WHITE.

## APPLIED ILLUMINATION

as secured by

### "WHITE" Adjustable Electric Light Fixtures and "WHITE" Daylight Units

THE term "Applied Illumination," as distinctive from "General Illumination," originated with us over thirty years ago. Briefly, it means "a flexible system for bringing artificial lighting directly to the work at hand, as compared with a fixed system to which the work must be accommodated." Both systems have their individual characteristics and respective uses. The system of "Applied Illumination" is indicated wherever there is a **close application of individual effort**; the system of "General Illumination" is adapted for the lighting of **general or collective activities**.

**Working Light** for the individual, as provided by "General Illumination" necessitates "flood-lighting" the entire area, a method not only expensive, but usually inefficient and unsatisfactory. With "Applied Illumination," a moderate amount of "General Illumination" **for general lighting purposes only** is required, the needs of the

individual worker being amply fulfilled by unit adjustable lights designed for the particular requirement. In this way the highest efficiency in artificial lighting is secured, all shadows and glare on the work are eliminated, eye strain obviated, and a great saving in maintenance costs is effected, **particularly in current consumption**.

"Applied Illumination," to be successfully accomplished, calls for universal adjustability of the light to meet all possible conditions—an adjustability **unrestricted** within the required limits and which will hold the light securely in any desired position with the minimum of attention to joints or fastenings. To be enduring, the devices used must be of correct design, proper construction, and best of materials, combined from long experience.

"WHITE" ADJUSTABLE FIXTURES ARE CORRECT IN EVERY DETAIL AND PROVIDE THE BEST-KNOWN MEANS FOR SECURING "APPLIED ILLUMINATION." APPROVED BY THE NATIONAL BOARD OF FIRE UNDERWRITERS.

To those unfamiliar with the results secured by "Applied Illumination," a trial installation by a partial equipment is suggested. In this way comparative results can be checked, especially of those factors so important in lowering costs—increased production, decreased spoilage, and higher morale of the workers.

THE O. C. WHITE COMPANY  
Worcester, Massachusetts



## Information for Salesmen and Lighting Engineers

# A Knowledge of Salient Features

pertaining to

## "WHITE" Adjustable Fixtures

Will Be Invaluable to All Lighting Salesmen and Engineers

In the lighting of industrial plants, offices, institutions and homes, there are innumerable occasions when "Applied Illumination" (see previous page) offers the logical solution because of its practical economy and efficiency and the superior lighting results obtained.

These "Salient Features" backed by convincing evidence from a host of quantity users (see Page 16) are powerful "sales-aids." **Know them.**

Familiarity with the illustrations and details of the various types of Fixtures shown in this catalog will enable you to select suitable types for any given requirements. **Examine them carefully.**

### The Problem

#### Requirements for Good Lighting

1. Exact application of light to the desired point or working area.
2. Elimination of all interfering shadows.
3. Elimination of all glare.
4. A "quality of light" available to satisfy even the most exacting requirements for color operations.

### The Solution

#### Essential Features

5. Unrestricted adjustability within the entire working range of each type of Fixture.
6. The light may instantly be brought into the most efficient lighting position, giving a far better working light than one mounted in a fixed position.
7. No attention required to joints or fastenings when adjusting the light; a result secured by universal frictional control.
8. Joints and working parts may be instantly given any required tension to withstand all working leverages; they will not wear out or work loose.
9. Great strength, holding lamp securely in any desired position.
10. Immediate removal of the light, entirely out of the way, when not desired for use.
11. Expert design in the construction of all types of Fixtures, entirely doing away with all cumbersome or "trappy" features.
12. Daylight reflectors in a variety of sizes and shapes for all practical purposes.
13. Highest grade only of materials and workmanship, ensuring long life under continued hard service.
14. Carefully and thoroughly insulated at all points where the electric cord may be liable to abrasion.
15. Secure protection to the wiring from damage by the operations of the work at hand.
16. Wired easily and quickly with approved re-enforced cord.
17. Rated as "Approved Fittings" by the National Board of Fire Underwriters.

### The Results

#### Important to Purchasers

18. Efficiency of operatives using "White" Fixtures increased more than 20% during "lighting-up" hours—greater production, less spoilage.
19. Accomplish a marked saving in the cost of electric current by using 15 or 25 watt lamps.
20. Greatly reduce lamp breakage and resulting delays and expense.
21. Pay for themselves many times over in actual economies effected.
22. An individual light, adjustable to his needs, is like a fine tool—improves the operator's work and his "morale."

### Facts

#### The Line, the Service, the Company

23. A type to fulfill every practical requirement, a large variety of sizes in every type where such variety may be necessary.
24. Any selection of "White" Fixture or Portable may be equipped with an appropriate Day-light Unit.
25. All standard finishes to meet different requirements and tastes.
26. Regularly furnished for  $\frac{1}{8}$ " sockets; can be furnished for  $\frac{1}{4}$ " or  $\frac{3}{8}$ " sockets without extra charge.
27. Prompt service from the factory on all orders.
28. Thorough inspection and careful packing on all shipments from the factory.
29. Prices as low as are consistent with goods of the highest grade; "White" Adjustable Fixtures are of one quality only, the highest.
30. Free engineering advice from the factory at Worcester, Mass., on all matters pertaining to "Applied Illumination." The O. C. White Co. are specialists on this subject of over thirty years' standing.
31. The system of "Applied Illumination" as secured by the "White" Adjustable Fixtures is applicable to every class of technical or professional work of the individual.

THE O. C. WHITE COMPANY  
WORCESTER, MASSACHUSETTS



## Office Lighting

### A Suggestion to Office Managers and Executives

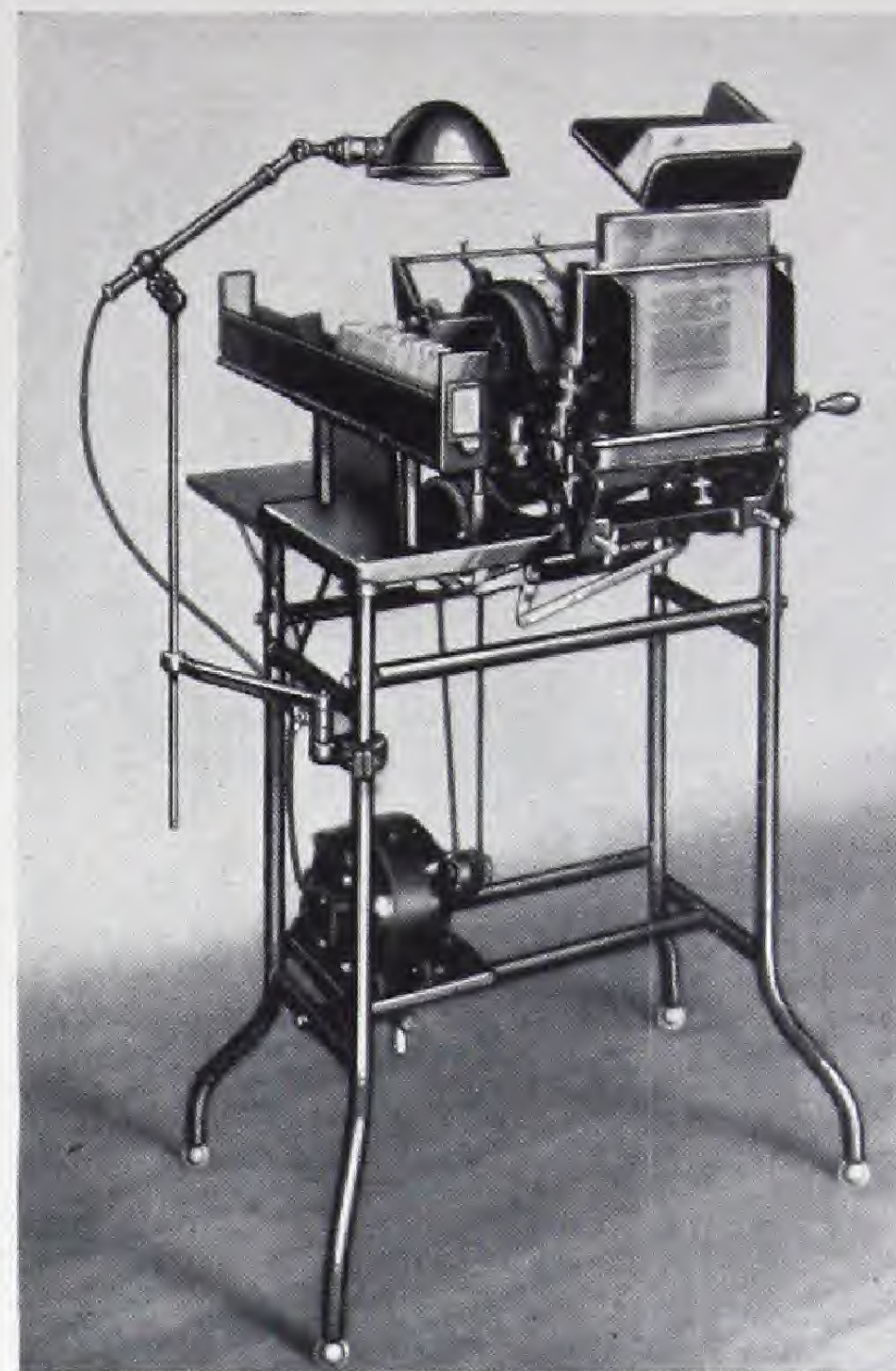
**Eye Strain** is prevalent wherever work of an exacting nature is performed—it is to the decided advantage of everyone concerned to relieve this condition as far as is reasonably possible. A common cause is “fixed” overhead lighting—in some locations the light comes from the wrong direction and troublesome shadows are cast upon the work; in others, a reflected glare necessitates the shifting of the work to another position.

As pointed out on Page 1, individual adjustable lights give full control for the best obtainable results—25 watts adjustable at the work is far better than 200 watts fixed at the ceiling.

The O. C. White Company have specialized in the development of a complete line of office lighting appliances with *utility* as the first consideration after quality, and appearance next. Careful attention has been paid to the selection of the best type of joints and fittings used in each of the Adjustable Fixtures and Portables cataloged herein—a style for every requirement.

The many thousands in successful use lead to the suggestion that the trial of a sample or so is a simple yet convincing way of determining their usefulness to anyone interested in better lighting.

**Read the following about “WHITE” Adjustable Daylight.**



**Light—wherever it is needed.**

A “White” Style D9M increases the potential value of any office machine mounted like the above Multigraph.

## Daylight—A New Achievement in Quality Lighting

Now Available for Any Purpose, at Any Time

**Natural Daylight** is the accepted standard of the best quality in illuminating engineering and its artificial reproduction is, therefore, a greatly-to-be-desired objective. In the past, far more attention has been paid to the “quantity factor” of electric lighting than to that of “quality.” Recently, marked improvements in “quality” have been made which are of particular interest to all plant and office executives.

**Artificial Daylight**—closely approaching the quality of natural daylight—is now available at a very reasonable cost through the employment of “WHITE” special reflecting shades, fitted with scientifically designed, concave-convex lenses, cast under a new glass formula, which filter and diffuse the light from Mazda lamps of ordinary types. The new reflectors are shown in detail on the next page.

**Quality Light**, as produced by “WHITE” Daylight Units, is most beneficial to the eyes of the user, whatever may be his occupation, and is as

soft and clear as from the northern sky—a light which eliminates glare and softens shadows, thereby reducing eye strain to a minimum. Color values are retained and accentuated—not lost, as with ordinary electric lighting.

**Color Test for Quality.** The retention of color values is indicative of quality. A color-test card—obtainable from the O. C. White Company upon request—is very useful for determining the quality of existing lighting systems in plants and offices. It is particularly valuable wherever work in colors or color matching is encountered.

**Adjustable Daylight** is the combination of “WHITE” Daylight Units (see page 4) with “WHITE” Adjustable Fixtures and Portables, making possible the direct application of a “Quality Light” for any requirement of plant or office.

THE O. C. WHITE COMPANY,  
Worcester, Mass.



## "White" Daylight Units

Special Reflectors with Lenses for Producing an Excellent Quality of Artificial Daylight



### The Lens that Changes Yellow Light into Daylight

A concave-convex optical unit, ground for diffusion on the lamp-side; highly polished for light-distribution on the other. In the making, this lens is scientifically colored to extract from the electric light almost every part of the spectrum that differentiates it from daylight. The result, therefore, with this scientifically constructed lens, is approximately **Daylight!**

Unexcelled for Color Matching

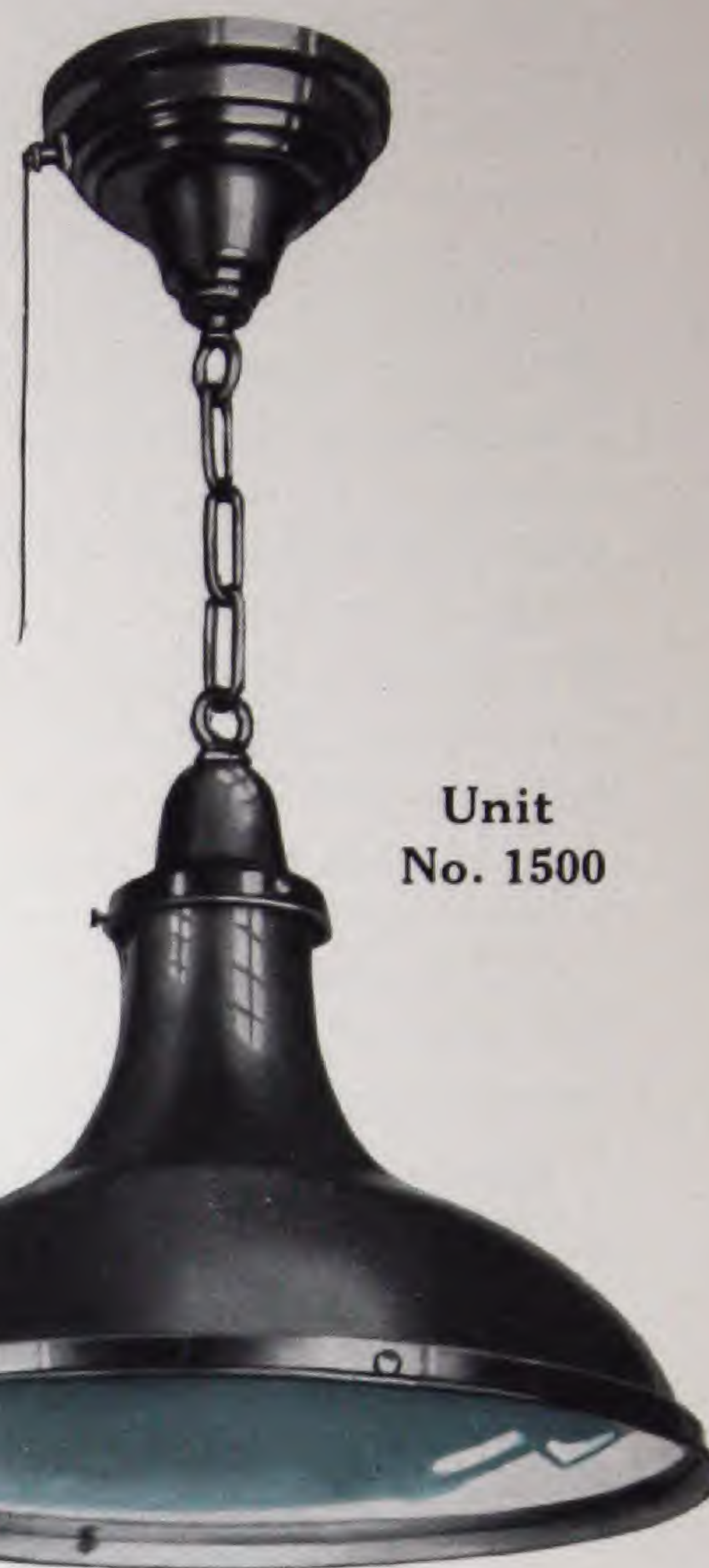
**Essential Information** of Quality Lighting as obtained from the use of "White" Daylight Units is given on the preceding page.

**Catalog Designations** for all Fixtures and Portables completely equipped with **Daylight Units** are indicated by the letter "D" prefix; i.e., D8M means that Style 8M is wired and equipped the same as regular Package Goods but with the Daylight Unit specified in the catalog description or price sheet.

### Unit No. 1500 (see cut)

A fifteen-inch reflector for "daylighting" large areas. A 300 watt Mazda bulb is recommended.

For use on existing ceiling lights, the reflector and lens may be purchased separately. Takes a  $3\frac{1}{4}$ " holder. As a ceiling drop complete, it is available with canopy, lever switch in canopy and 3 feet of chain. Statuary bronze finish only.



Unit  
No. 1500



Unit No. 800

### Unit No. 800 (see cut)

A 9" reflector of the shallow-bowl type that is particularly well adapted for use as a drop light or with Adjustable Fixtures and Portables over desks, store counters and other places wherever the quality of light is a factor. A 100 watt Mazda bulb is recommended.

Standard finishes are old brass and statuary bronze. Special finishes at additional cost.



Unit No. 900

### Unit No. 900 (see cut)

A 9" reflector of the deep-bowl type throwing a strong beam of daylight. Specially adapted for "Flood Lighting."

A 200 watt Mazda bulb is recommended. Finished in Gray.

### For Window Lighting

A store window equipped with No. 900 Units will produce the finest kind of display lighting, showing the articles exhibited clearly and in their true color values. Style FL universal joint is designed for mounting this unit. See Page 14 for details.



Unit No. 600

### Unit No. 600 (see cut)

A  $6\frac{5}{8}$ " shallow-bowl reflector which may be used in connection with Adjustable Fixtures or Portables as well as a drop light.

A 50 watt Mazda bulb is recommended. Standard finishes are old brass and statuary bronze. Special finishes at additional cost.



Unit No. 100

### Unit No. 100 (see cut)

A  $6\frac{5}{8}$ " parabola reflector for attachment to any standard threaded socket. It is for individual use of any kind. A 50 watt Mazda bulb is recommended.

Standard finishes are old brass and statuary bronze. Special finishes at additional cost.

A special heavy-duty key socket is used with all Daylight (D) Fixtures and Portables; otherwise, wiring and equipment is the same as regular "Package Goods" (R).

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Wall Brackets

Particularly useful for Lighting Desks, Filing Cabinets, etc., adjacent to walls and posts.  
Available with Daylight Units—see footnote for details.

### "F" Type Fixtures

Very high grade—all brass with joints of manganese bronze. Regularly furnished with base as shown ( $1\frac{3}{4}" \times 3\frac{3}{4}"$ ) for attachment by wood screws. Bases for various wiring and attachment requirements are described below. Each one has its own style designation to facilitate ordering.

#### Style 1F (see cut)

Bare = 1F; Equipped\* (see cut) = R1F; With Daylight Lens No.100 = D1F  
Two-arm; 36" extreme extension; universally adjustable. Can be folded flat against the wall. Styles 1FR, 1FP, and 1FS are the same but with the optional base indicated.

#### Style 7F (see cut)

Bare = 7F; Equipped\* (see cut) = R7F; With Daylight Lens No.100 = D7F  
Single, Straight Arm; 16" extension. Universal Joint at base and Wrist Joint at lamp. Styles 7FR, 7FP, and 7FS are the same but with the optional base indicated.

#### Style 8F (see cut)

Bare = 8F; Equipped\* (see cut) = R8F; With Daylight Lens No.100 = D8F  
Telescoping Arm; 15" to 24" extension; universally adjustable. A most popular fixture, particularly in doctor's offices. Styles 8FR, 8FP, 8FC, and 8FS are the same but with the optional base indicated.

#### Style 9F (see cut of Style 8F)

Bare = 9F; Equipped\* (see cut) = R9F; With Daylight Lens No.100 = D9F  
Same as Style 8F, but longer; 20" to 34" extension; universally adjustable. Styles 9FR, 9FP, 9FC, and 9FS are the same but with the optional base indicated.

### Optional "F" Type Bases

To meet all wiring and attachment requirements. Any of the "F" Type Fixtures may be used interchangeably with Style FR, FP, and FS Bases.

#### Style FR Base (see cut)

For attachment by wood screws; canopy,  $4\frac{1}{2}"$  in diameter; has insulated bushing for wiring through base.

#### Style FP Base (see cut)

A connector for threaded attachment to a  $\frac{3}{8}"$  or  $\frac{1}{2}"$  pipe. Locked by heavy screw. Wires through insulated bushing into pipe.

#### Style FS Base (see cut)

For attachment over an outlet box—a  $4\frac{5}{8}"$  square plate with fixture joint supporting stud threading into a  $\frac{3}{8}"$  female flange secured to the box.

Style 8FS-2 same except plate has two holes  $3\frac{5}{16}"$  apart for attachment to box cover (No. 1900).

#### Style FC Base Joint (see cut)

The "8F" or "9F" Type fixture may be furnished with a clamp-on style of base joint for direct attachment to  $\frac{3}{8}"$ ,  $\frac{1}{2}"$ , or  $\frac{3}{4}"$  pipe or conduit (specify type of fixture and size desired, i.e., Style 8FC,  $\frac{1}{2}"$ ).

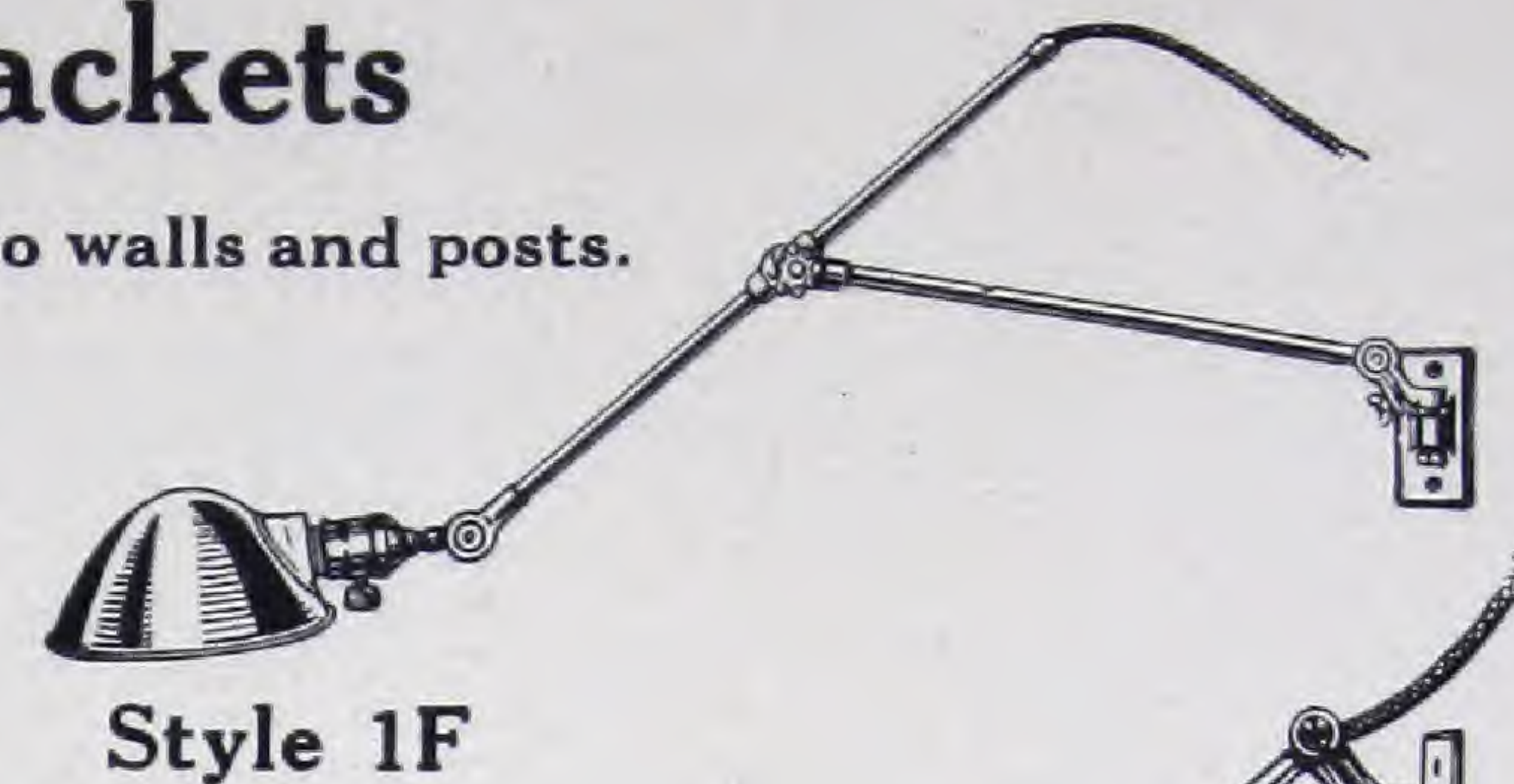
Base-joint is universally adjustable.

#### Style FFP Yoke (see cut)

Similar to Style FP base but for mounting two of any "F" Type fixtures.

For threaded attachment to a  $\frac{3}{8}"$  or  $\frac{1}{2}"$  pipe. Locked by heavy set screw.

Wires through insulated bushing into pipe. Quotations upon request.



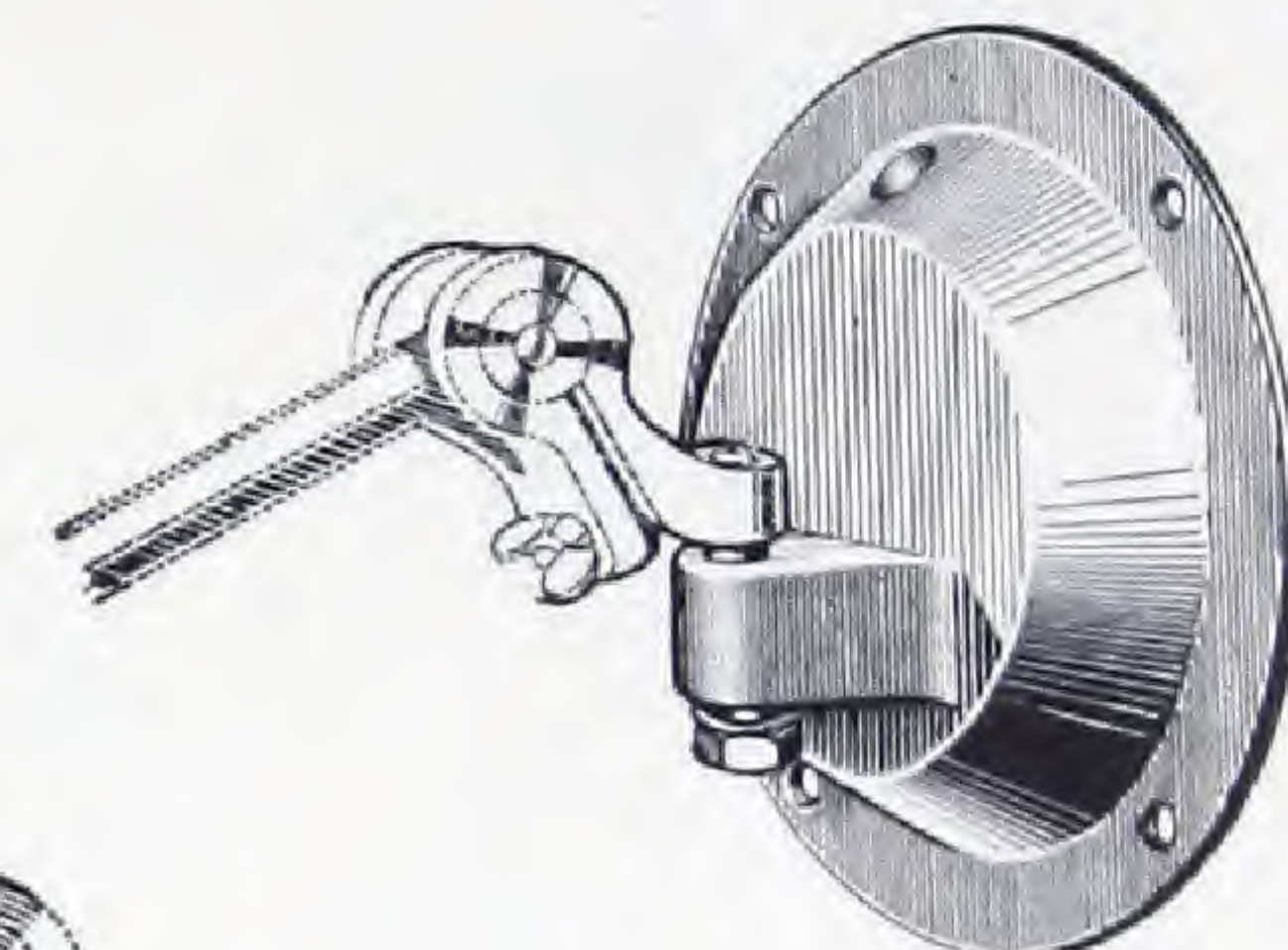
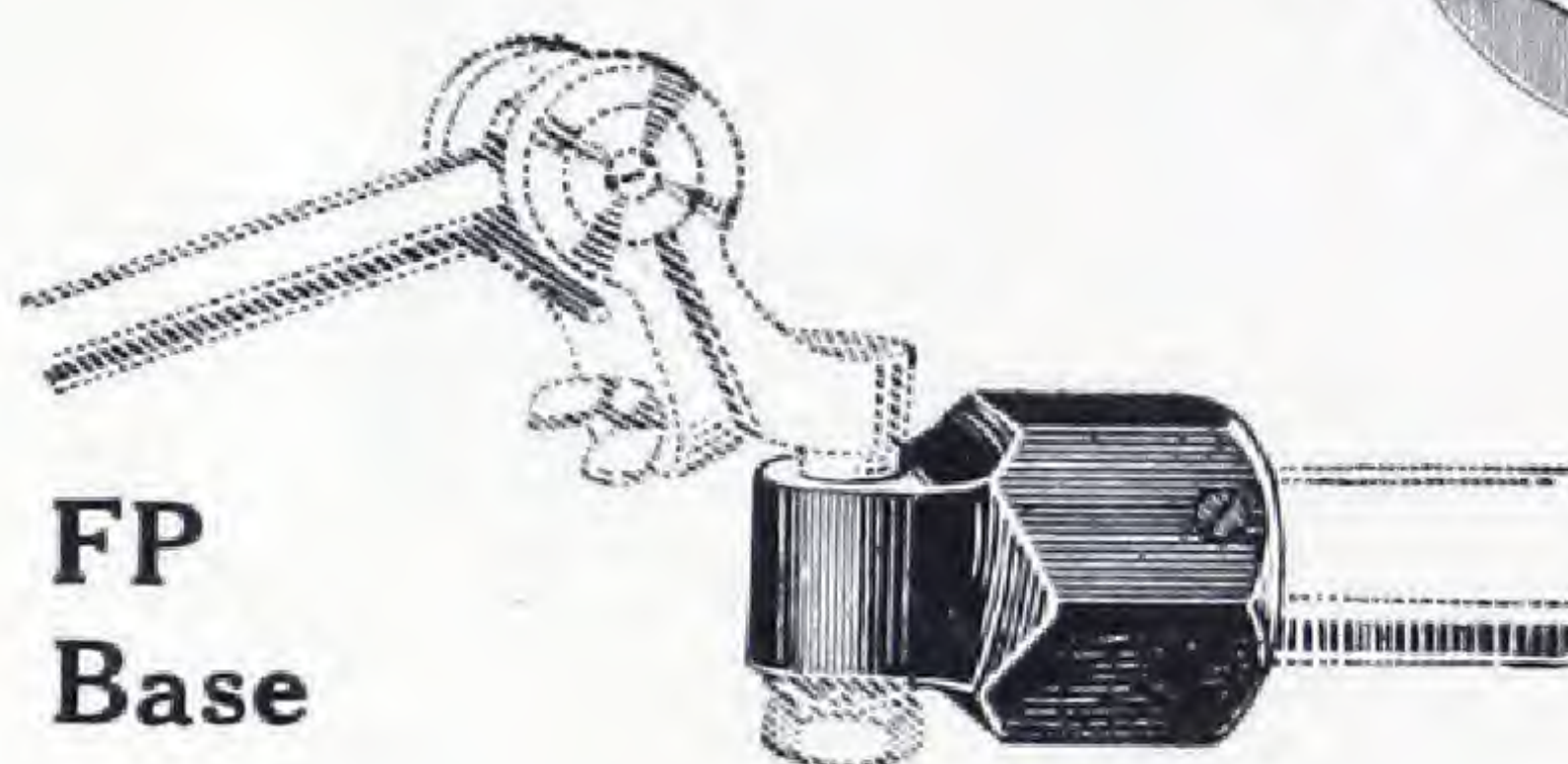
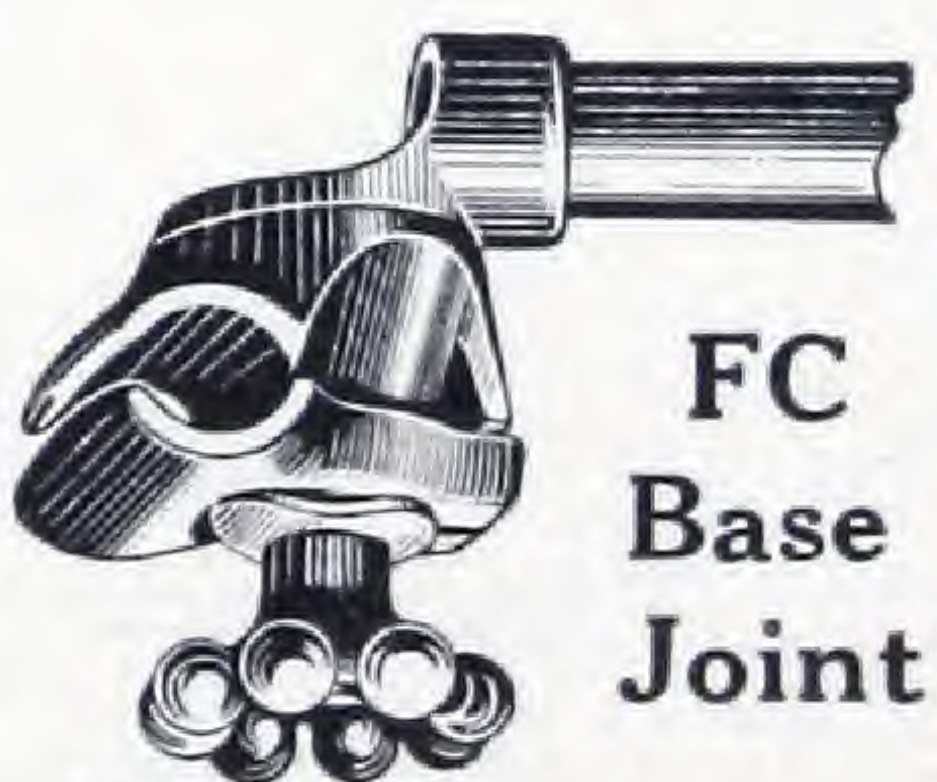
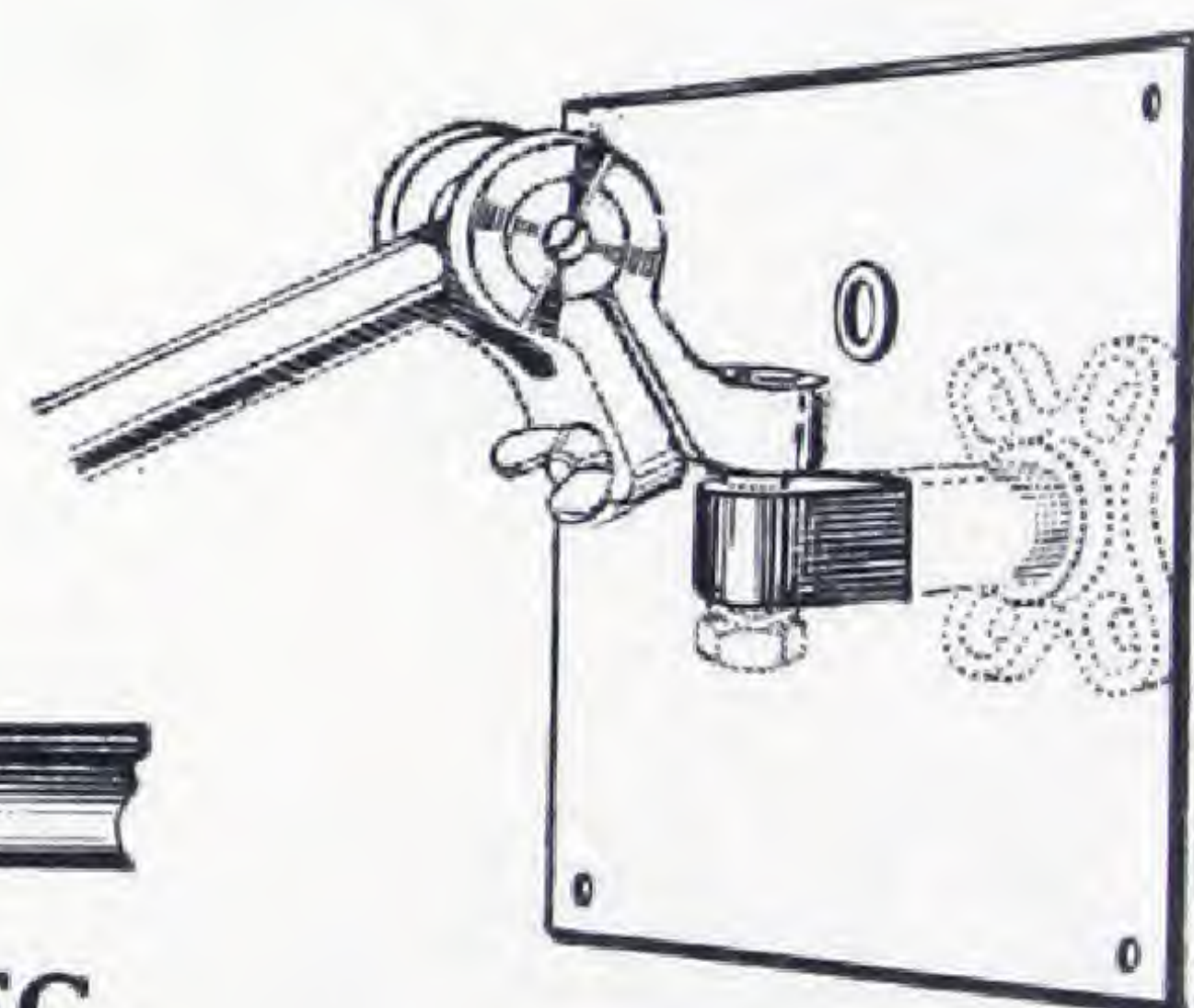
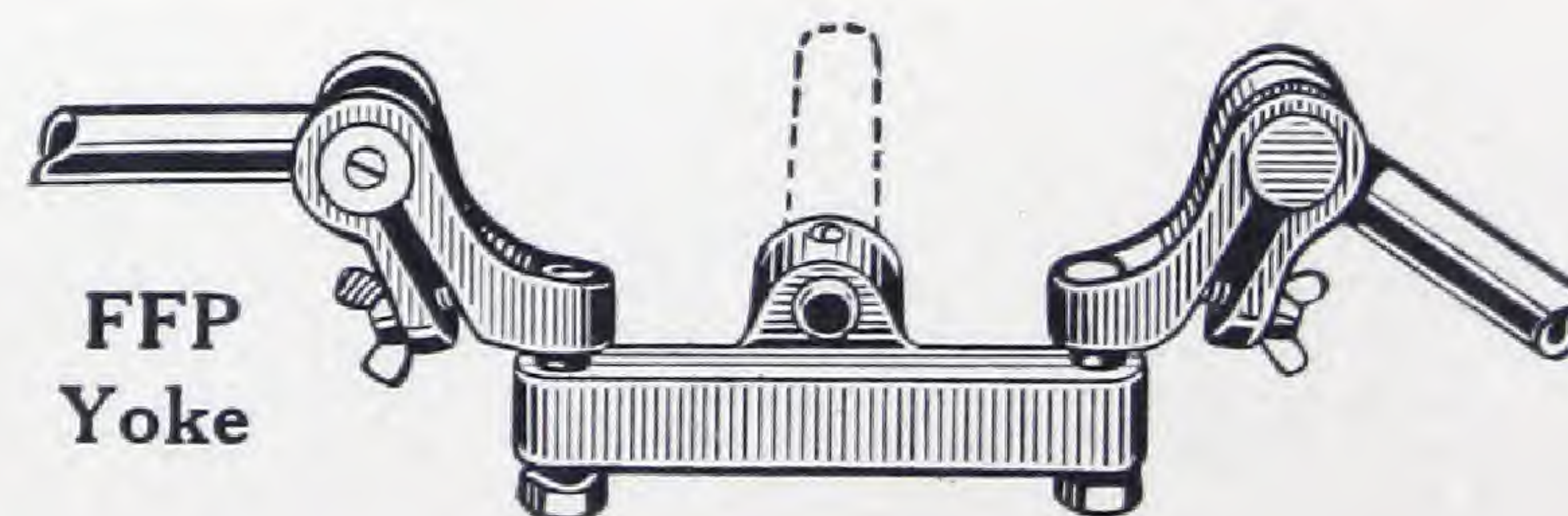
Style 1F



Style 7F



Style 8F

FR  
BaseFP  
BaseFS  
BaseFC  
Base  
JointFFP  
Yoke

\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key socket and parabola shade. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods." Standard Finishes are old brass, statuary bronze, oxidized copper and nickel.

FOR PRICES, SEE LATEST "NET PRICE LIST"

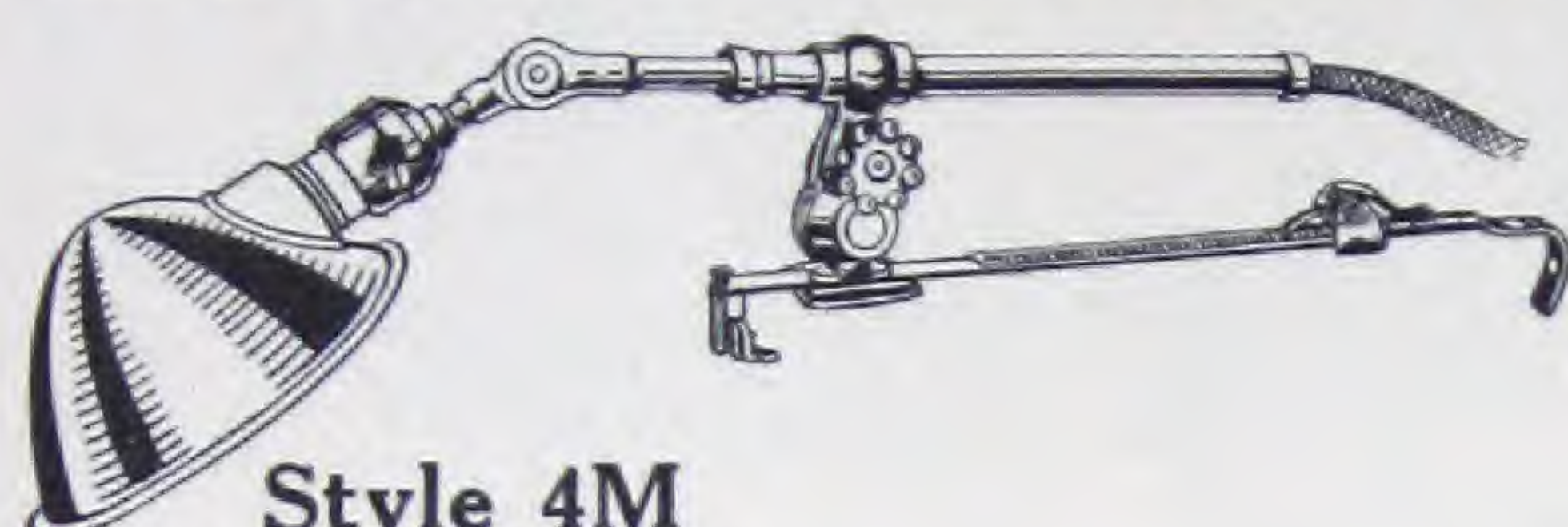


## Adjustable Desk Fixtures

Applicable to all kinds of Desks, Tables, etc. Universally adjustable; instantly ready for use with the light in correct position to avoid reflected glare. Always out of the way. Furnished with or without Wiring and Equipment and in any finish. See footnote for details.

### Adjustable Roll-Top Desk Fixtures

Remarkably firm and rigid attachment by a Special Strap-clamp, adaptable to a wide variation in width and thickness of Top of Desk. Instantly removable by the throw of small latch.



Style 4M

#### Style 4M (see cut)

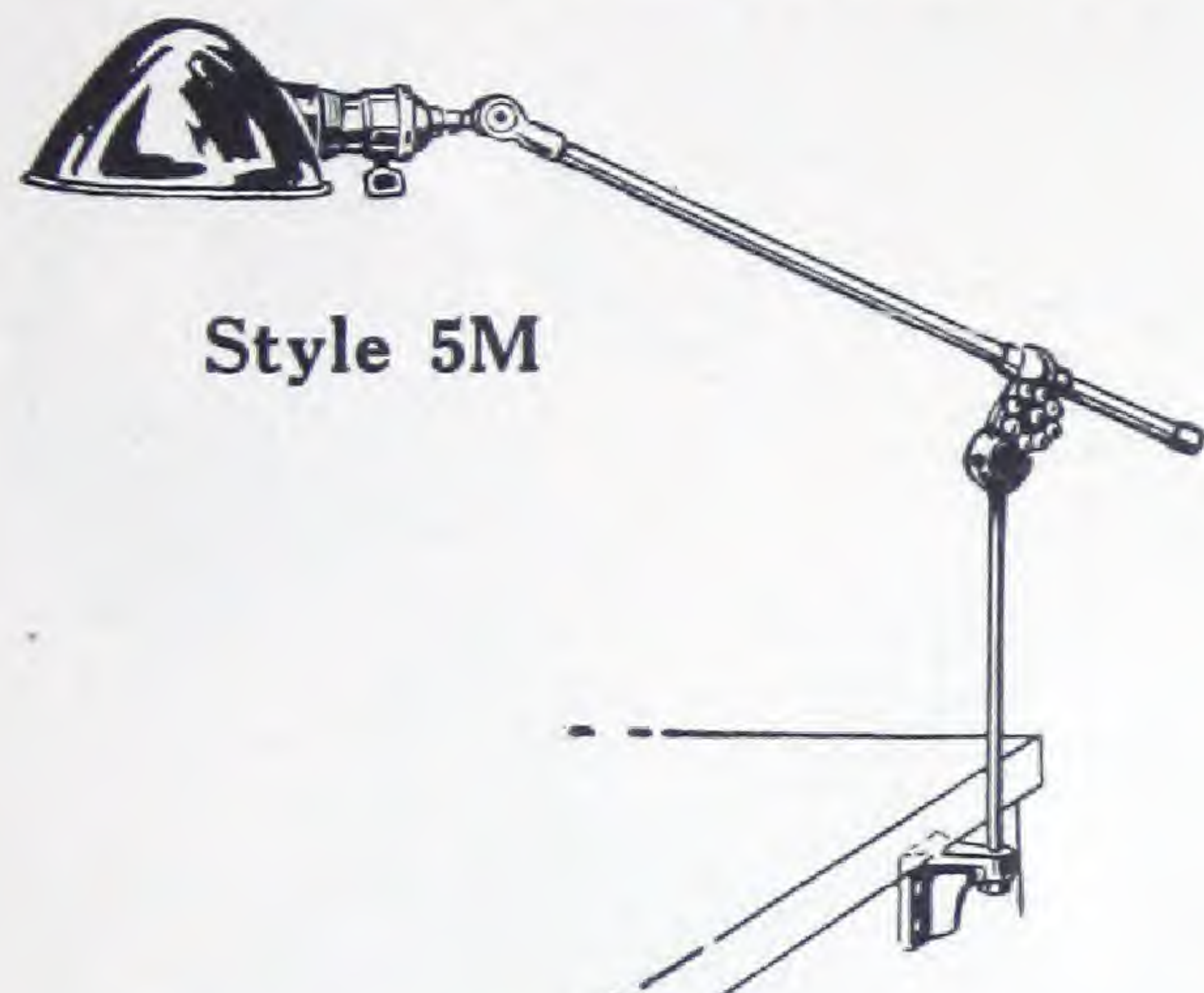
Bare = 4M; Equipped\* (see cut) = R4M; With Daylight Lens No. 100 = D4M  
Telescopic Arm, sliding through universal joint; 2" to 21" extension.  
Style 49M\* Same but with longer arm; 2" to 31" extension.

#### Style 2M\*

Same as Style 4M but with 16" Straight Arm sliding through universal joint.

### Adjustable Flat-Top Desk Fixtures

Adapted for any Flat-top Desk or Table; especially valuable for Typewriter Desks, small Drafting Boards, etc. A variety of bases provide for different mounting conditions.



Style 5M

#### Style 5M (see cut)

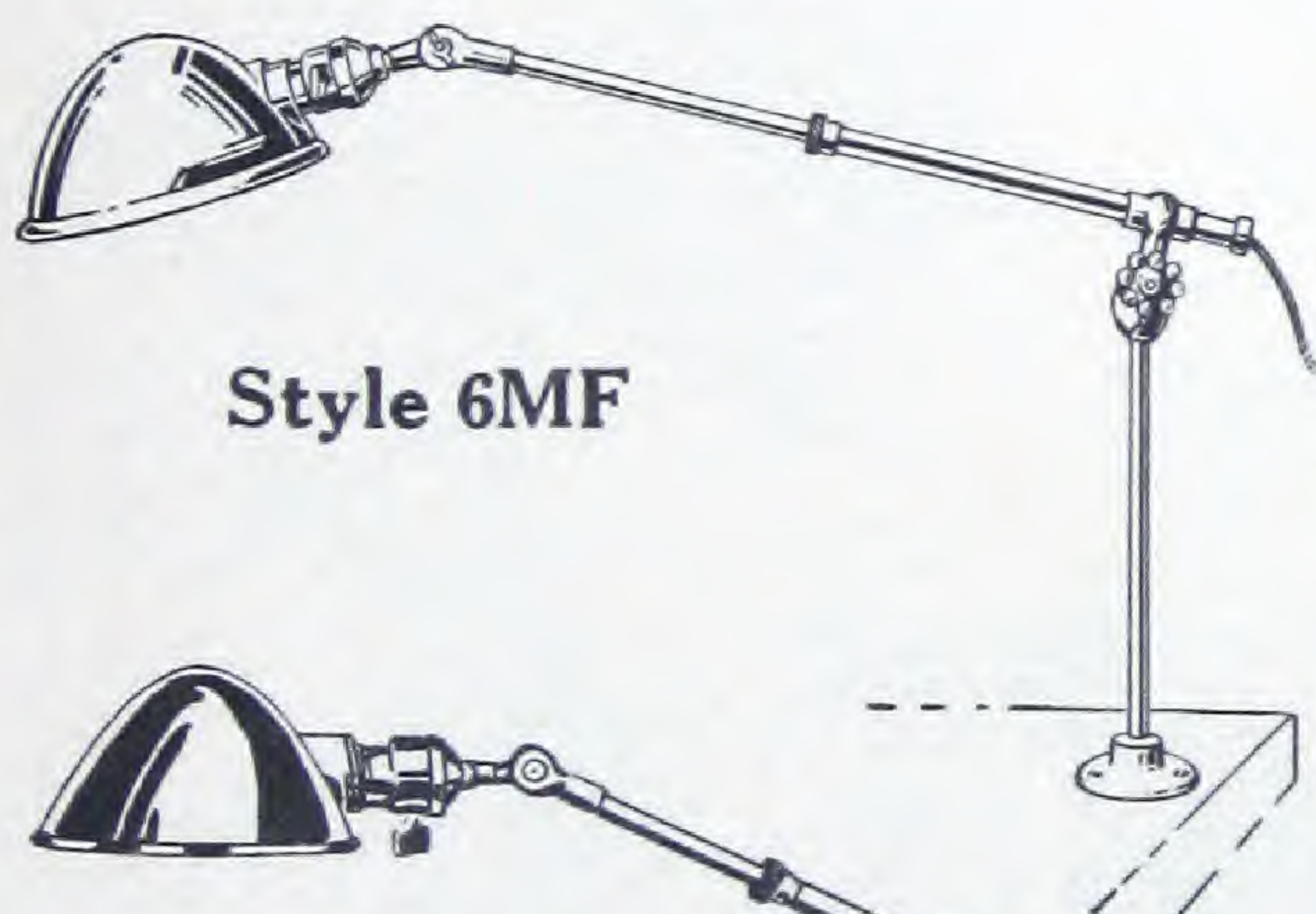
Bare = 5M; Equipped\* (see cut) = R5M; With Daylight Lens No. 100 = D5M  
Straight Arm, sliding through universal joint; 18" long; reach of lamp 26"; height 11". Attached to side of desk with wood screws. Clears 1 1/4" overhang.  
Style 5MF\* Same with flange base (see 6MF).

#### Style 6M

Bare = 6M; Equipped\* (see cut) = R6M; With Daylight Lens No. 100 = D6M  
Same base and upright as Style 5M but with Telescopic Arm (see 6MF cut), sliding through universal joint; 21" extension; reach of lamp 29"; height 11".  
Style 69M\* Same but with longer arm; 31" extension; reach of lamp 39".

#### Style 6MF (see cut)

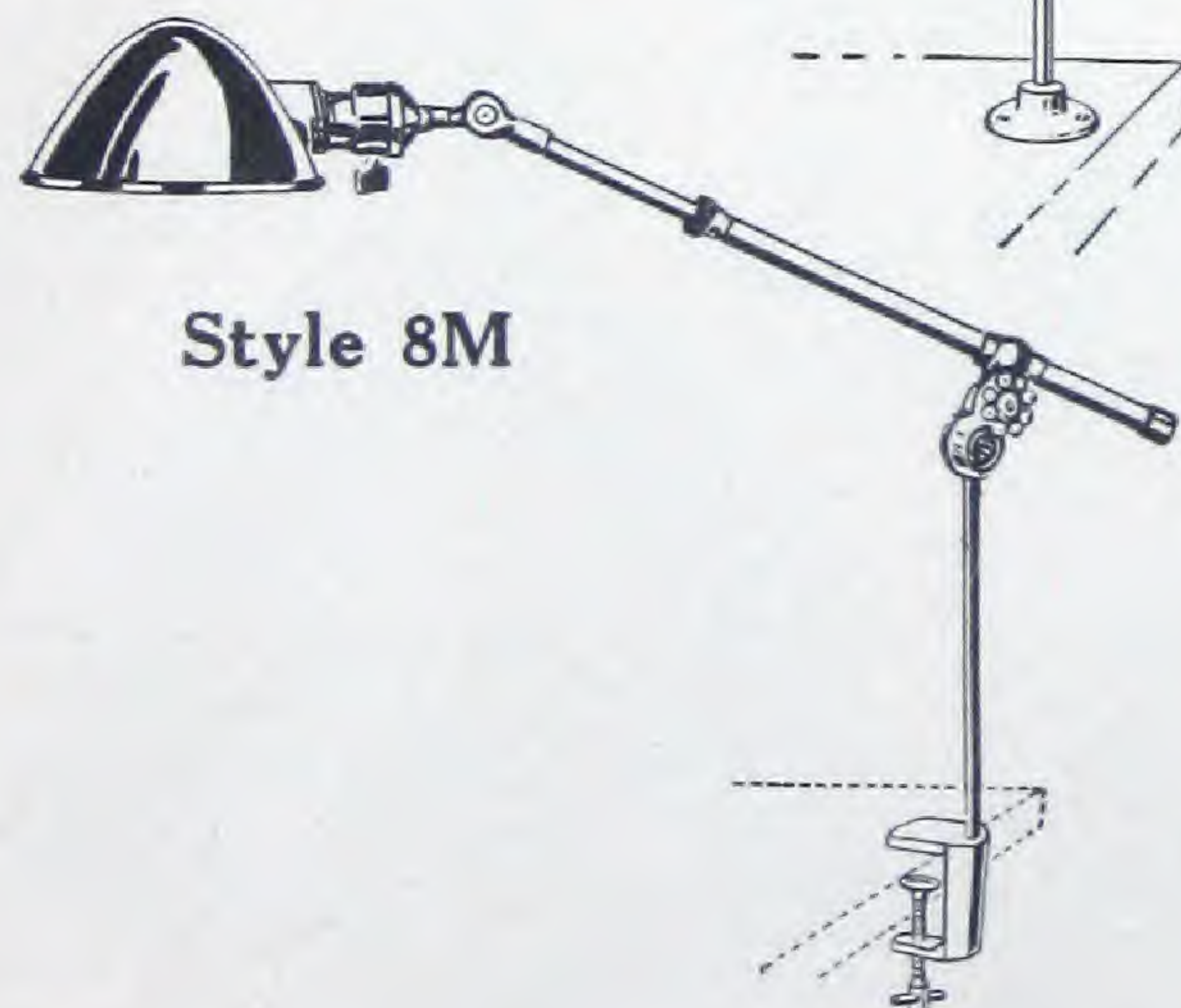
Bare = 6MF; Equipped\* (see cut) = R6MF; With Daylight Lens No. 100 = D6MF  
Same as Style 6M but with 3" flange base for flat attachment. Height 11".



Style 6MF

#### Style 7M

Bare = 7M; Equipped\* (see cut) = R7M; With Daylight Lens No. 100 = D7M  
Same as Style 5M but with Clamp-on Base (see 8M cut). Straight Arm, sliding through universal joint; 18" long; reach of lamp 26"; height 11". Readily attached (or detached) to thicknesses up to 2 1/8" by means of clamp-on base.



Style 8M

#### Style 8M (see cut)

Bare = 8M; Equipped\* (see cut) = R8M; With Daylight Lens No. 100 = D8M  
Telescopic Arm, sliding through universal joint; 21" extension; reach of lamp 29"; height 11".  
Readily attached (or detached) to thicknesses up to 2 1/8" by means of clamp-on base.  
This Fixture is very useful in any office.  
Style 89M\* Same but with longer arm; 31" extension; reach of lamp 39".

\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key socket and parabola shade. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods." Standard Finishes are old brass, statuary bronze, oxidized copper and nickel.



## Adjustable Drafting-Table Fixtures

Universally adjustable to any desired position—a most important feature in Drafting. Made in a variety of styles for any size of Board or Mounting Conditions.

The use of Daylight Units is especially recommended for drafting tables—they will reduce eye strain and improve the quality of the lighting.

Universal adjustability is quite essential to enable the draftsman to apply the light exactly as he desires—from any direction, at any angle, at any intensity (distance).

### "M" Type Fixtures

The "M" Type is illustrated at right. For smaller boards requiring short light ranges. Available in a variety of mountings. See details, Page 6 opposite.

### "D" Type Fixtures

Two styles; single arm with crank, and two arm. With bases to provide for any type of mounting. See below.

The extension of the lamp arms is variable by sliding through the universal joint—similar in effect to a telescopic arm.

**Style 3D** (see cut), for medium boards. Single lamp arm universally adjustable at both ends. Swing crank feature especially useful—fixture swivels out of way without disturbing adjustment at reflector. Height 24"; crank 8"; lamp arm 18"; wired through lamp arm and upright.

Finish: machine-tool builders' gray and cadmium plated lamp arms to insure proper grounding.

**Bare = 3D; Equipped\* (see cut) = R3D; With Daylight Lens No. 100 = D3D**

Priced in **Standard Plated Finishes**, Bare = 3R; Equipped\* = R3R; With Daylight Lens No. 100 = D3R. See Page 15.

A special stop may be provided on 3D Fixture uprights to prevent the crank arm from swinging into adjacent aisles. Quotations upon request.

**Style 23D** (see cut), for larger boards. Two universally adjustable arms 18" each. Extreme extension 36"; height 24"; wired through both arms and uprights.

Finish: machine-tool builders' gray and cadmium plated lamp arms to insure proper grounding.

**Bare = 23D; Equipped\* (see cut) = R23D; With Daylight Lens No. 600 = D23D**

**Style 24D\***. Same as 23D but with clamp-on base.

### Optional Bases

**Regular** (see 3D and 23D cuts). For horizontal surfaces. Size  $2\frac{3}{4}$ " x 4". Always supplied unless otherwise ordered. Insulating side-outlet bushing in regular base, 10 cents additional.

**D-1** (see cut). Side attachment for vertical surfaces. Size  $2\frac{1}{2}$ " x  $3\frac{3}{4}$ "; clearance  $\frac{3}{4}$ ". Specify as 3D-1 or 23D-1.

**D-2** (see cut). Side attachment for vertical surfaces. Size  $2\frac{1}{4}$ " x 3"; clearance  $2\frac{5}{8}$ ". Specify as 3D-2 or 23D-2.

**D-3** (see cut). For under side of horizontal surfaces. Extends  $4\frac{5}{8}$ "; 4" wide; clearance  $\frac{7}{8}$ ". Specify as 3D-3 or 23D-3.

**D-4** (see cut). For under side of horizontal surfaces. Extends  $4\frac{3}{4}$ "; 4" wide; clearance 3". Specify as 3D-4 or 23D-4.

**4D or 24D** (see cut). Clamps on for thicknesses from  $\frac{3}{4}$ " to 4"; requires overhang of  $1\frac{3}{8}$ ". Specify as 4D for single arm 3D type, or 24D for double arm 23D type.

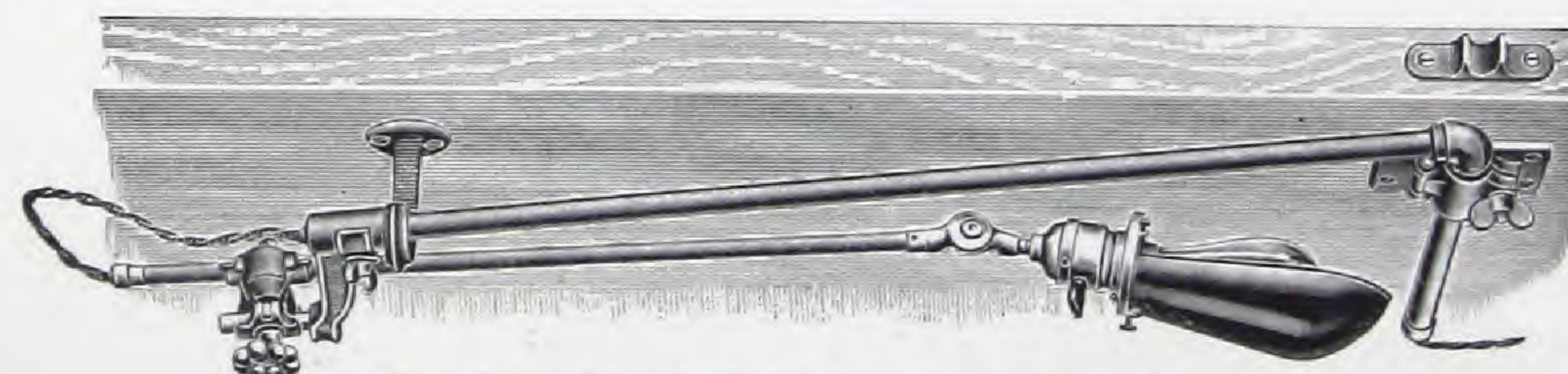
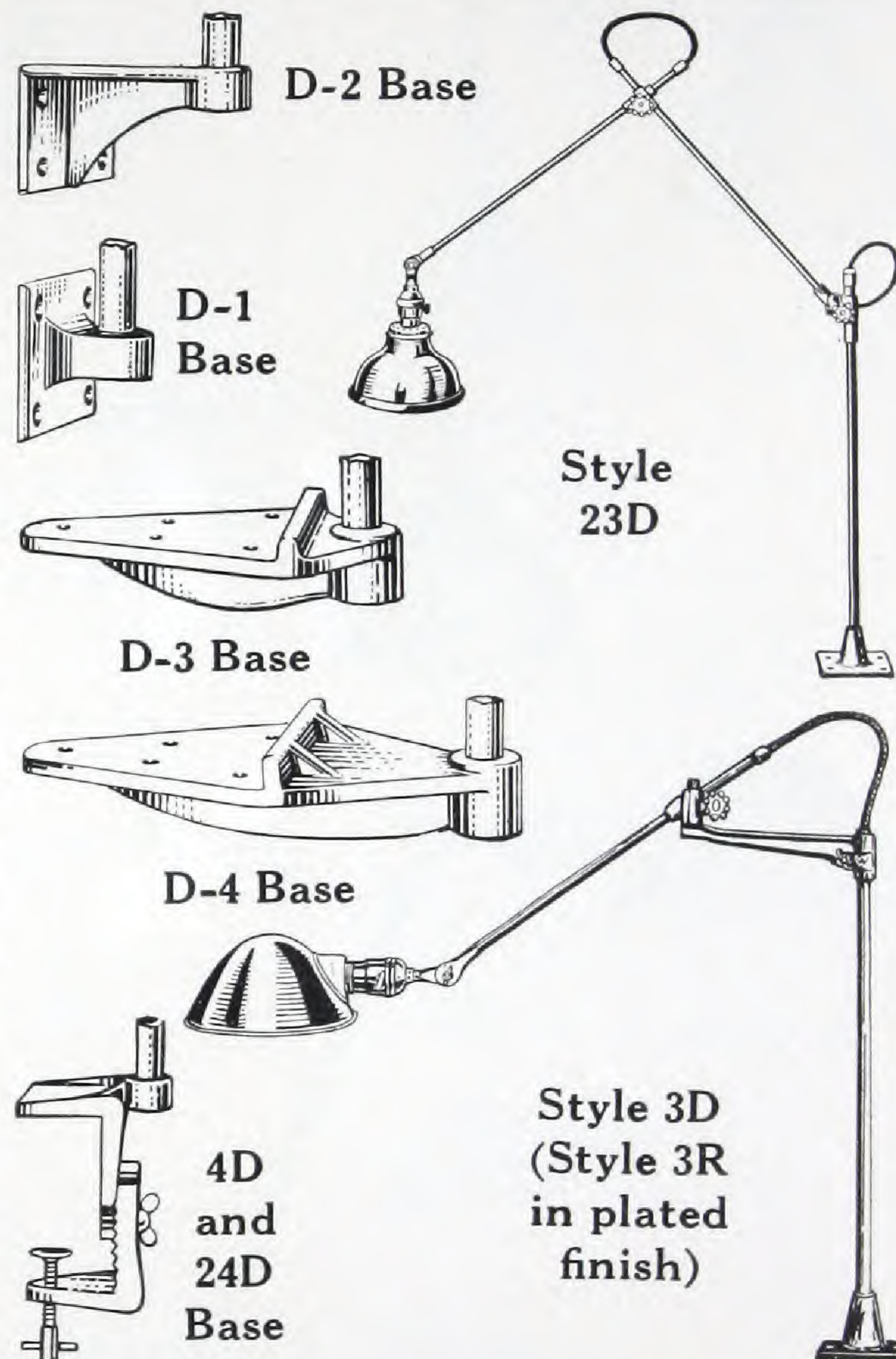
### Fixtures for Special Requirements

For extremely large boards, "K" type ceiling fixtures are especially useful; see Page 19.

Where walls or posts are conveniently located "H" type fixtures are very effective; see Page 20.

**Style 1N** (see cut at right). Same fixture as 3D but with special mounting that permits folding under table as shown. A useful feature.

**Bare = 1N; Equipped\* (see cut) = R1N; With Daylight Lens No. 100 = D1N**



Style 1N (folded under table)

\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key socket and shade as shown. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods."

FOR PRICES, SEE LATEST "NET PRICE LIST"



# Adjustable Portable Lamps

For Desks and Tables wherever used. It is especially advantageous to have the Desk or Table Light adjustable. The light may be placed exactly as desired, avoiding troublesome shadows and the glare from polished surfaces and papers. Available with Daylight Units—see footnote for details.

## Style 8P (see cut)

Bare = 8P; Equipped\* (see cut) = R8P; With Daylight Lens No. 100 = D8P

A fine-grade lamp at a low price, specially adapted for students.

Complete adjustability at base and lamp joint. Black-enamel slate base, felted. Height 16".



Style 8P

A Portable light has more general utility than a Fixture. For the best of results it should be **universally** adjustable.

**"White" Portables Excel in Utility**

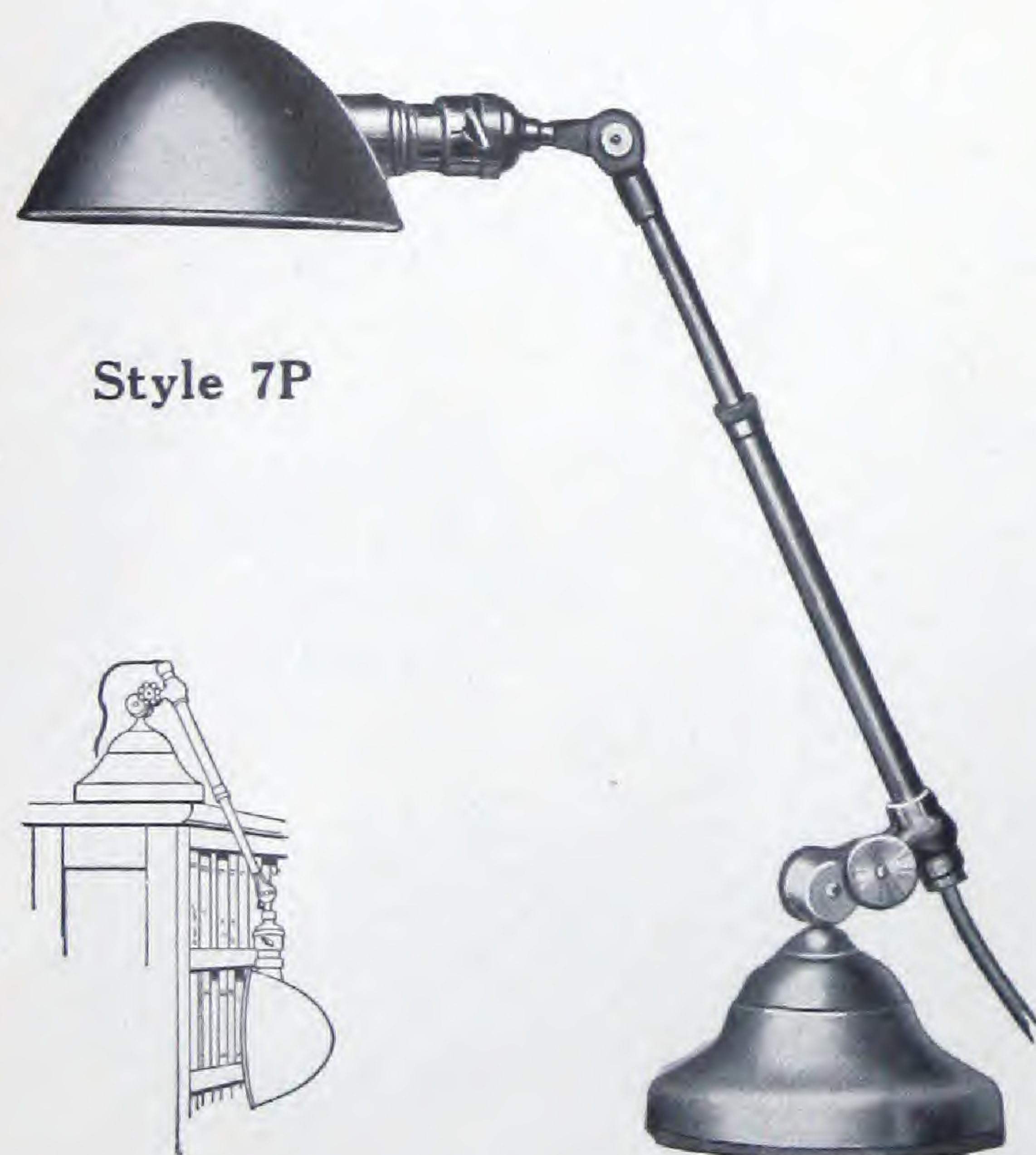


Style 6P

## Style 6P (see cut)

Bare = 6P; Equipped\* (see cut) = R6P; With Daylight Lens No. 600 = D6P

Curved-Arm type, sliding through universal joint at base. Otherwise same as Style 7P (see below). Adapted for cone shades. Height, 22". Heavily weighted, felt-bottomed base, 6 $\frac{3}{8}$ " in diameter.



Style 7P

## Style 7P (see cuts)

The Lamp may be placed in any conceivable position

Bare = 7P; Equipped\* (see cut) = R7P; With Daylight Lens No. 100 = D7P

Style 7P presents the most complete adjustability in portable lamps. It possesses remarkable utility combined with excellent appearance.

Adapted to every practical requirement, whether for roll or flat-top desk, bookcase, file case, instrument cabinet, reading table, etc.

Telescopic-Arm type, sliding through universal joint at base. Height, closed 15 inches, fully extended 24 inches. Heavily-weighted base with felt bottom. Shipping weight, 12 pounds.

## Style 5P

Bare = 5P; Equipped\* (see cut) = R5P; With Daylight Lens No. 100 = D5P

Same as Style 7P but with non-telescopic straight-arm, 18" sliding through universal base joint.

\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key socket and shade as shown. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods."



## Adjustable Counter Portables

Designed for Store Use, equally effective for Desks and Tables  
Special provision is made for the surplus cord when arm is telescoped

### Style 14P (see cut)

Bare = 14P; Equipped\* (see cut) = R14P; With Daylight Lens No. 800 = D14P

A larger and heavier portable of the same general type as Style 16P. Overall height extends from 20½" to 28". Felt covered base, 10⅛" in diameter. Standard finishes.

### Style 16P (see cut)

Bare = 16P; Equipped\* (see cut) = R16P; With Daylight Lens No. 600 = D16P

With neat, but small heavily weighted, felt covered base, 6⅜" in diameter; adjustable in over-all height from 19" to 26½". The bowl type shade is adjustable at any angle. Standard finishes.

"White Daylight Portables" are very essential in stores upon counters and tables where colored goods are displayed and sold. Color values are retained as in natural daylight, thus producing *satisfactory sales*.



Style 14P

Style 16P

## Adjustable Office Machine Fixtures

Very useful in Offices using any of the Special Machines for Adding, Addressing, Multigraphing (see cut Page 3), Bookkeeping, Listing, Typewriting, etc. Greatly appreciated by skilled operators.

Universal Swiveling and Sliding Joint. (Arm stays in any position)

Set Screw. (Adjustment for height)

Swivel Joint and Thumb Nut. (Wide swing-- Fixture detaches)

Attachment Clamp. (Fits any stand)

Style 9M

Shade. (Rotates about socket)

Wrist Joint. (Any angle-- any direction)

Telescoping Arm. (Slides and turns)

Style 99M\*. Same but with longer arm; 31" extension.

### Style 9M (see cut)

Bare = 9M; Equipped\* (see cut) = R9M; With Daylight Lens No. 100 = D9M

Instantly adjustable to any desired position, avoiding the reflected glare from bright parts, keys or paper copy. Telescopic Arm type, extension 21". Upright rod, 24". Crank-Arm, 8". Clamps up to 1½". Regular finish, japan and nickel. Also available in standard finishes.

### Style EFM (see cut at right)

Bare = EFM; Equipped\* (see cut) = REFM; With Daylight Lens No. 100 = DEFM

Designed for mounting on the movable carriage of the Elliott-Fisher bookkeeping machine of the type shown.

Adjustable as desired for lighting the flat sheets used for records. Lamp Arm, 18" in height, swivels on base joint; wrist joint at socket end. Mounting plate furnished with special machine screws for attachment to frame. Standard finishes.

Style EFM



\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key socket and shade as shown. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods."

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Telescopic Floor Portables

Particularly designed to have the greatest utility in Offices, Libraries, Hospitals, etc., they are of graceful lines without useless filigree or ornamentation. Their compactness and complete adjustability make them ideal for many uses. Special attention has been given to providing for surplus cord when lowering the upright. By wiring through the upright the exposed cord lies flat on the floor, preventing accident from tripping. Available with or without wiring equipment, in any finish and with Daylight Units. See footnote for details.

### Style 9P (see cut)

Bare = 9P; Equipped\* (see cut) = R9P; With Daylight Lens No. 100 = D9P

A plain but high-grade telescopic type of Floor Portable at a low price. Universally adjustable; skeleton base; wrist joint at lamp; height adjustable up to 6'. Shipping weight, 11 pounds.

### Style 10P (see cut)

Bare = 10P; Equipped\* (see cut) = R10P; With Daylight Lens No. 100 = D10P

Base enclosed with finely plated canopy of heavy steel. Telescoping upright. Wrist Joint at lamp. Cord automatically coils in base. Height adjustable up to 6'. Shipping weight, 11 pounds.

### Style 11P (see cut)

Bare = 11P; Equipped\* (see cut) = R11P; With Daylight Lens No. 100 = D11P

Special high grade. Single-telescoping, bent arm. Wrist Joint at lamp. Cord slips through side outlet just above base when arm is telescoped up or down. Substantial base covered with heavy-gauge brass canopy. Height adjustable up to 6'.

Boxed for express, 35 pounds.

### Style 12P (see cut)

Bare = 12P; Equipped\* (see cut) = R12P; With Daylight Lens No. 800 = D12P

Extra-special high grade. Double-telescoping bent arm. Wrist Joint at lamp. Designed to rank as the highest possible class of floor portable in construction, efficiency and general usefulness. Same wiring arrangement and base as on Style 11P. Height adjustable up to 7½'.

Boxed for express, 40 pounds.

### Smokers' Sets

Shown on cut of Style 11P. Furnished for any of the above portables at an additional cost. See price list.



### "White" Regular and Daylight Package Goods

Wired and Equipped, ready for use (no bulb)

For the convenience of the retail trade, the "White" Office Lighting Adjustable Fixtures and Portables are put up in neat, strong, individual unit packages, (wooden boxes or crates for the larger sizes) so that they may reach the purchaser in the same perfect condition in which they leave the factory—no shopworn or tarnished finishes.

They are ideal for carrying in stock as they are ready for express or mail shipment without repacking.

Details of the equipment and finish are given in the footnote at the bottom of each page or in the descriptive matter. In ordering, use correct style designation.

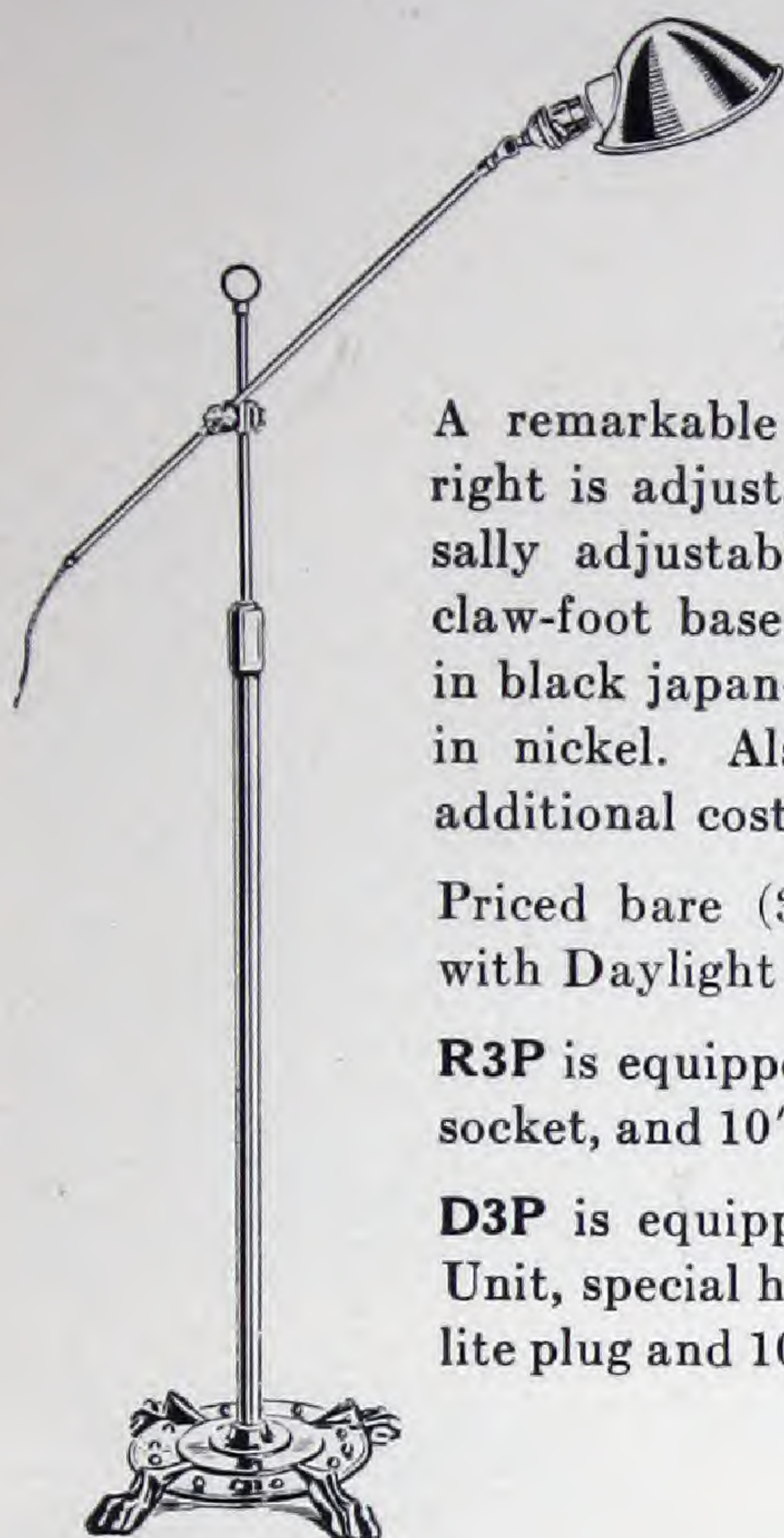
\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, pull socket and parabola shade. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods." Standard Finishes are old brass, statuary bronze, oxidized copper and nickel.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Portables for Professional Use

Especially designed for Surgeons, Dentists, Oculists, Artists, Interior Decorators and the Like



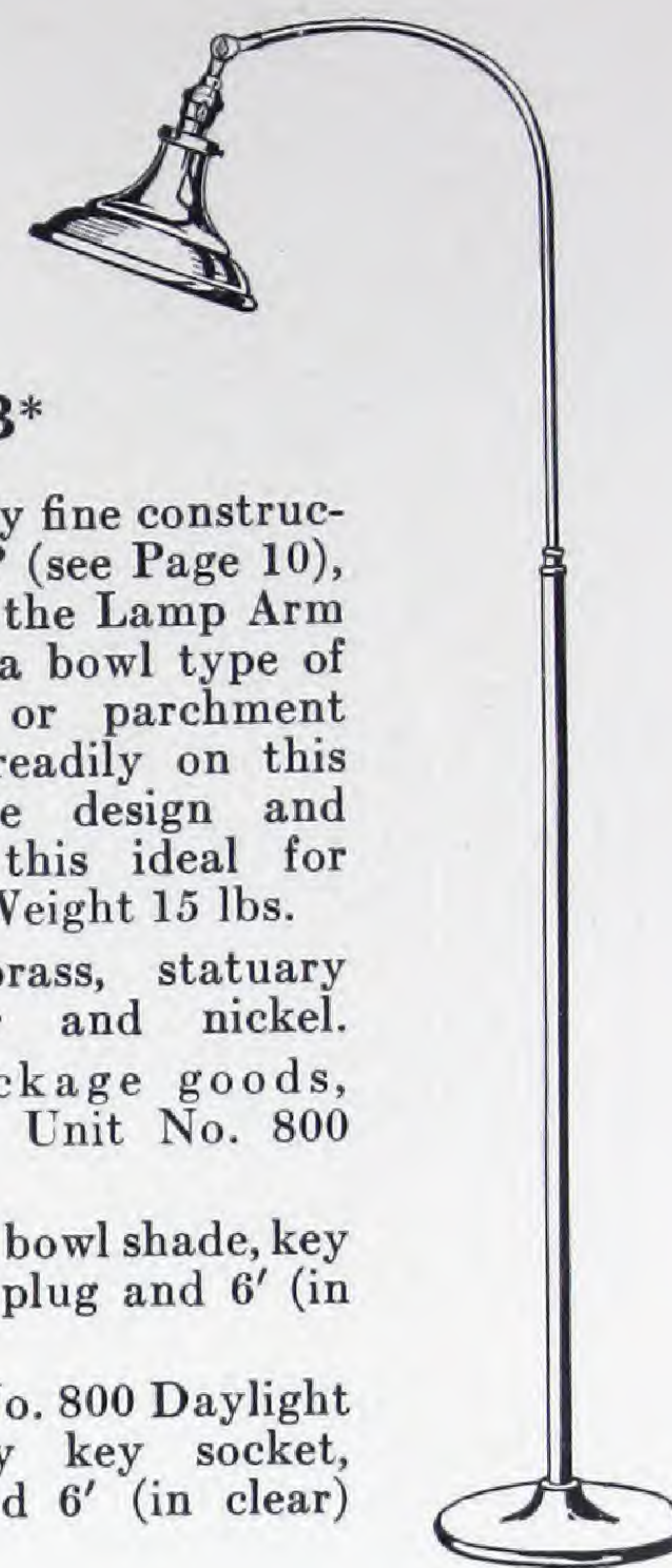
**Style 3P\***

A remarkable portable. Telescopic upright is adjustable up to 6', with universally adjustable 2 1/2' lamp arm; special claw-foot base. Weight 19 lbs. Finished in black japan-enamel with working parts in nickel. Also in standard finishes at additional cost. See price list.

Priced bare (3P), package goods, (R3P), with Daylight Unit No. 100 (D3P).

**R3P** is equipped with parabola shade, key socket, and 10' (in clear) rubber cord.

**D3P** is equipped with No. 100 Daylight Unit, special heavy duty key socket, bakelite plug and 10' (in clear) rubber cord.



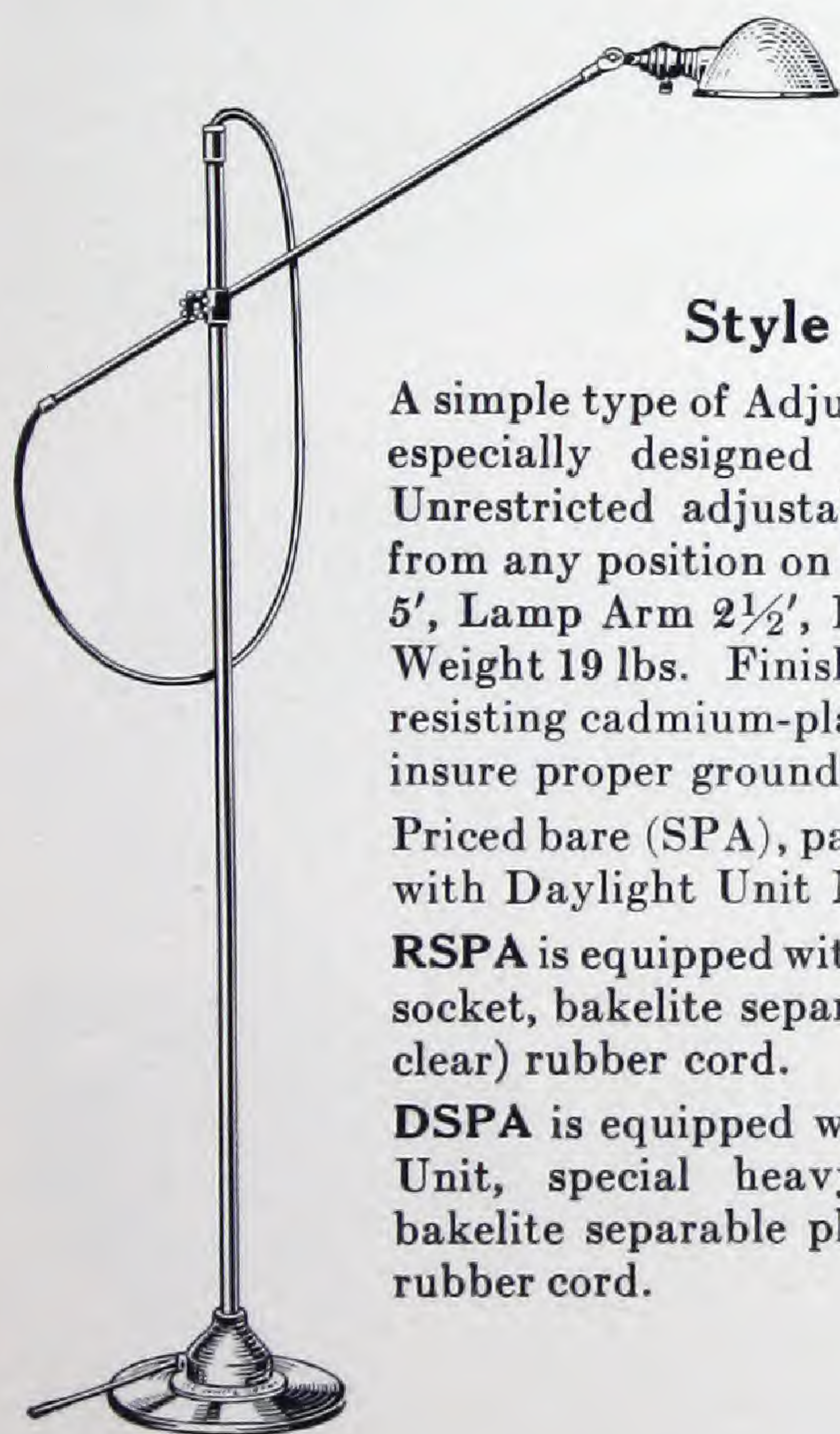
**Style 11PB\***

A Bridge-Lamp of especially fine construction. Similar to Style 11P (see Page 10), but with a special bend in the Lamp Arm to provide for the use of a bowl type of shade. A hanging silk or parchment shade may be mounted readily on this portable if desired. The design and lighting qualities make this ideal for bridge and similar uses. Weight 15 lbs.

Standard finishes old brass, statuary bronze, oxidized copper and nickel. Priced bare (11PB), package goods, (R11PB), with Daylight Unit No. 800 (D11PB).

**R11PB** is equipped with 9" bowl shade, key socket, bakelite separable plug and 6' (in clear) silk cord.

**D11PB** is equipped with No. 800 Daylight Unit, special heavy-duty key socket, bakelite separable plug and 6' (in clear) silk cord.



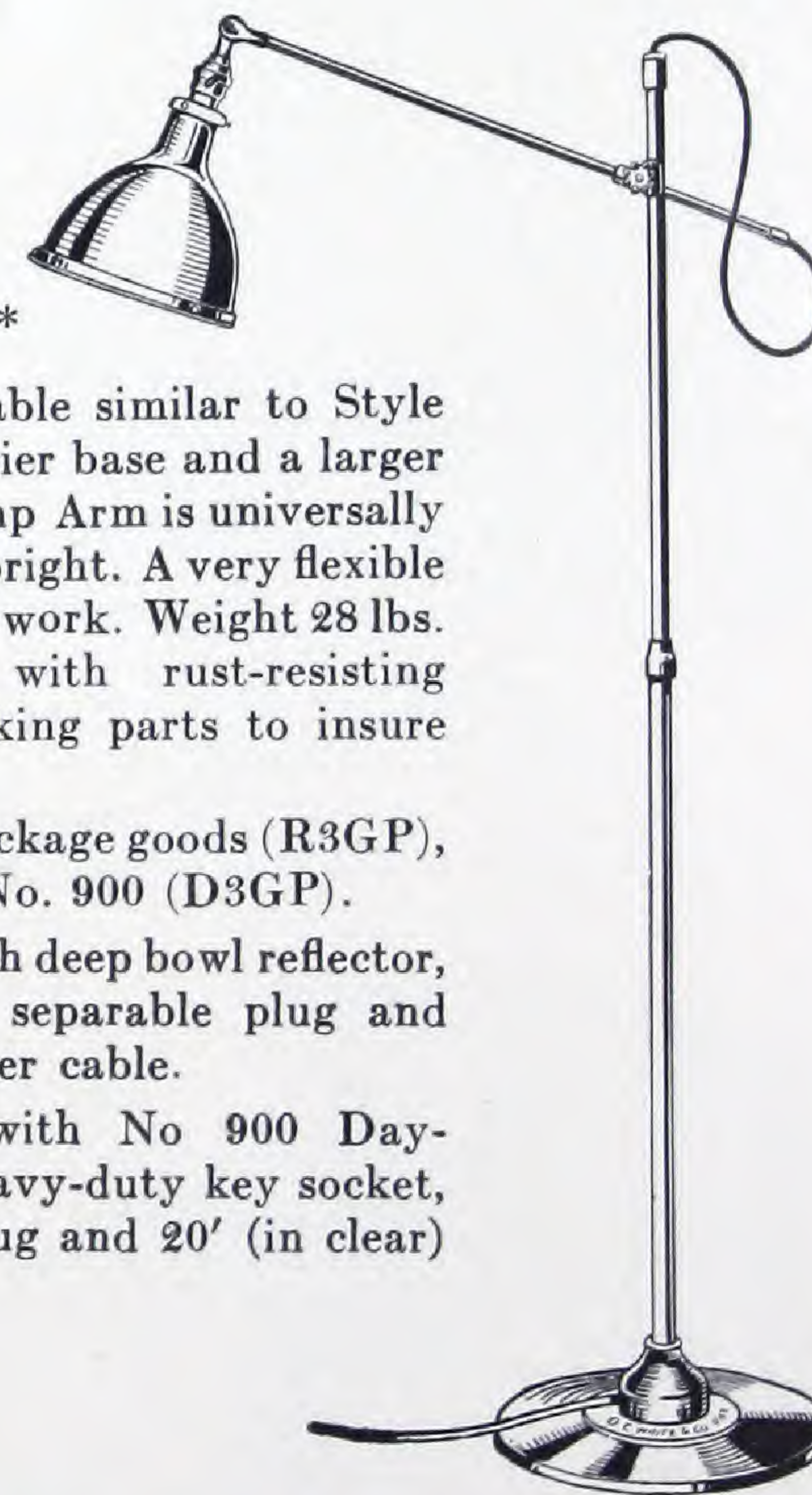
**Style SPA\***

A simple type of Adjustable Floor Portable especially designed for use in studios. Unrestricted adjustability of Lamp Arm from any position on the upright. Height 5', Lamp Arm 2 1/2', Base 12" in diameter. Weight 19 lbs. Finished in gray with rust-resisting cadmium-plated working parts to insure proper grounding.

Priced bare (SPA), package goods (RSPA), with Daylight Unit No. 100 (DSPA).

**RSPA** is equipped with parabola shade, key socket, bakelite separable plug and 20' (in clear) rubber cord.

**DSPA** is equipped with No. 100 Daylight Unit, special heavy-duty key socket, bakelite separable plug and 20' (in clear) rubber cord.



**Style 3GP\***

A floor type of portable similar to Style SPA, but with a heavier base and a larger reflector. The 2' Lamp Arm is universally adjustable on the 5' upright. A very flexible flood-light for interior work. Weight 28 lbs. Finished in gray with rust-resisting cadmium-plated working parts to insure proper grounding.

Priced bare (3GP), package goods (R3GP), with Daylight Unit No. 900 (D3GP).

**R3GP** is equipped with deep bowl reflector, key socket, bakelite separable plug and 20' (in clear) all rubber cable.

**D3GP** is equipped with No. 900 Daylight Unit, special heavy-duty key socket, bakelite separable plug and 20' (in clear) all rubber cable.

\*Available bare or as Package Goods or Daylight, equipped and finished as specified above.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Bed Reading Lights

Ideal Reading Lamps for direct attachment to any kind of Bed. Adjustable as required



Style 1BF (see cut at left)

Bare = 1BF; Equipped\* (see cut) = R1BF; With Daylight Lens No. 100 = D1BF

Attaches to either horizontal or vertical tubing of metal beds. Universally adjustable. Instantly removable by turning small hand wheel. Made in four clamping sizes. For round tubing only.

- Size 1— $\frac{1}{2}$ " to  $\frac{7}{8}$ " (outside diameter)
- Size 2— $\frac{7}{8}$ " to  $1\frac{1}{4}$ " (outside diameter)
- Size 3— $1\frac{1}{4}$ " to  $1\frac{3}{4}$ " (outside diameter)
- Size 4— $1\frac{3}{4}$ " to  $2\frac{1}{4}$ " (outside diameter)

Style 2BF (see cut at right)

Bare = 2BF; Equipped\* (see cut) = R2BF; With Daylight Lens No. 100 = D2BF

For clamping to round or square tubing up to  $2\frac{1}{8}$ ". Unlike Style 1BF, this Fixture is of a locking type to prevent thefts. Designed for Club and Hotel use.



Style 4BF\*

See Cut and Details Under Hospital Bed Lights Below. Especially designed for attachment by wood screws to the back of head-boards of beds, chiffoniers, dressing-tables or similar furniture.

## Hospital Bedstead Lights

Fixed, Removable, or Clamp-on Styles

The use of a variable back or head-rest now common to Hospital Beds necessitates more adjustability in the bed lamp. A greater reach and added height are required for placing the light in the positions most beneficial to the patient and to facilitate its use by attendants in their special work. Attention is particularly directed to the advantages of using the Style 5BF with extra clamp bases (see below).

Style 4BF (see illustration)

Bare = 4BF; Equipped\* (see cut) = R4BF; With Daylight Lens No. 100 = D4BF

Fixed type for mounting permanently by bolting or fastening with wood screws on to the head-rail. Illustrated at right (see cut of base also). Lamp Arm swings sidewise and is adjustable for height. Wrist joint at socket end.



Style 5BF

Removable Type

Bare = 5BF; Equipped\* (see cut) = R5BF; With Daylight Lens No. 100 = D5BF

Same as Style 4BF except for mounting device. A 5BF clamp base joint (see cut of base) is bolted to the head-rail. A turn of the hand-wheel engages or disengages the Lamp Arm from the joint, making the light readily available for use on other beds equipped with clamp bases. Makes lighting equipment go farther, as extra bases may be purchased at low cost.

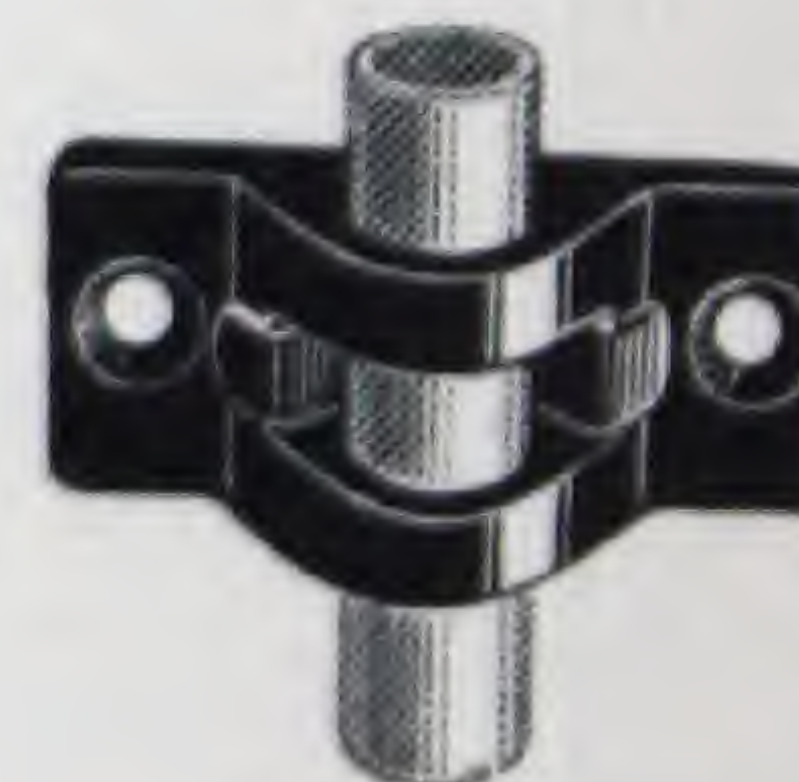


Style D89M\* (see cut)

A Clamp-on Type  
of especially long reach

Readily attached or detached to square, horizontal head-rails up to thicknesses of  $2\frac{1}{8}$ ", by means of clamp-on base. Telescopic arm, sliding through universal joint, gives an extension of 31". Upright 12". Equipped with a No. 100 Daylight Unit, this fixture is of particular value to surgeons in making examinations and is greatly appreciated by patients because of its soft, restful light.

Style 89M\* is the same, but without the Daylight lens.



4BF Base



5BF Base

\*NOTE: "Equipped" (Prefix R) = Wired 6' (in clear) silk cord and with bakelite separable plug, key or socket and parabola shade. "With Daylight Lens" (Prefix D) = Same wiring but with Lens additional. Each wired fixture is packed in an individual carton, known as "Package Goods." Standard Finishes are old brass, statuary bronze, oxidized copper and nickel.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Hospital Lights

For Special Professional Uses

### Style D11P

Used in Hospitals as a Combination Examination and Reading Light

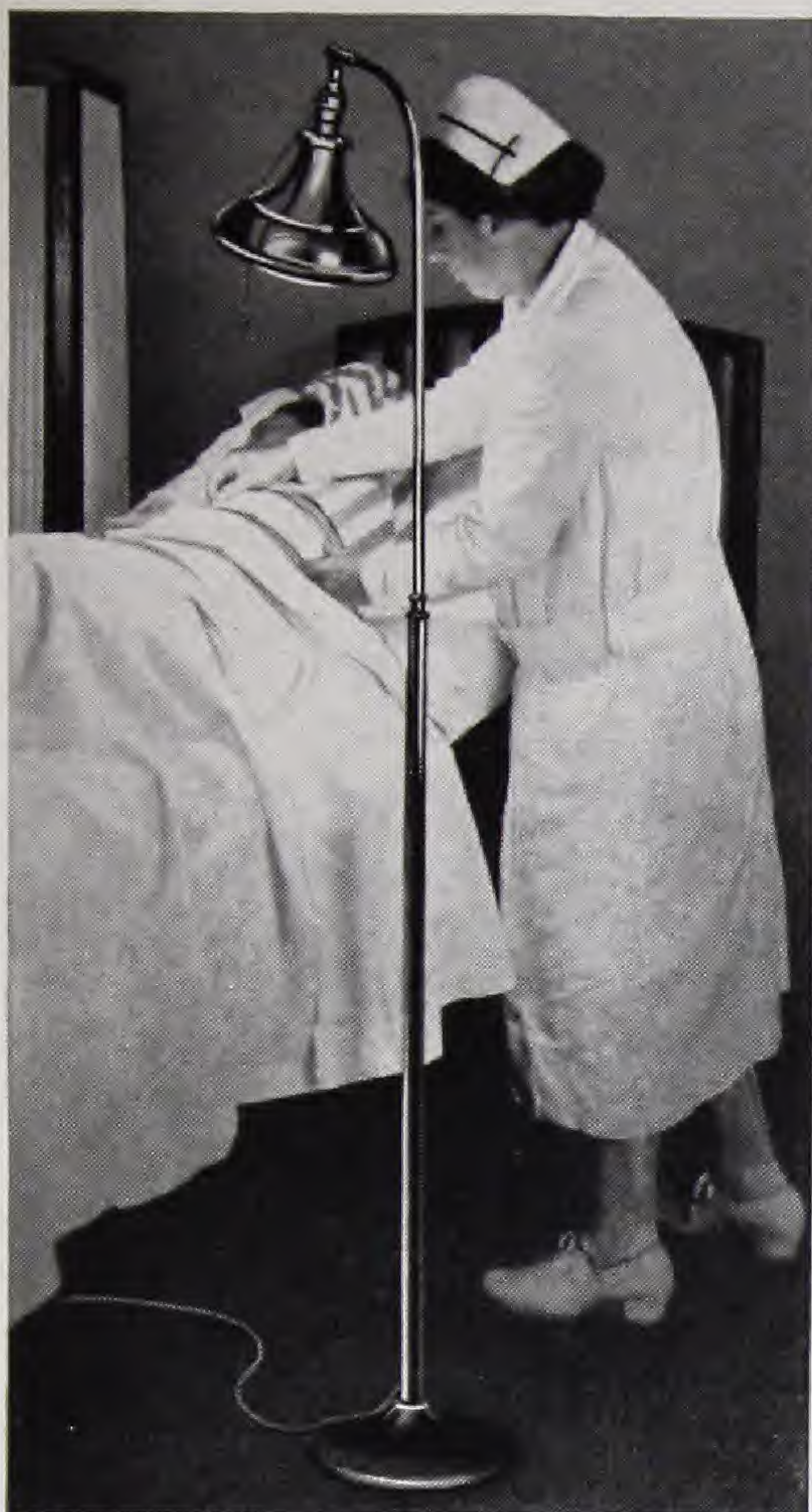
**Style D11P** Portable, with its adjustability for height, is extremely well suited for the above purpose and countless other uses in institutions and professional offices. It does away with the awkward hand lamp or the detachable bed light in private wards.

The soft, clear light of the "White" Daylight Unit is very restful to the eyes of the patient, making it ideal for reading in any position.

Of especial value to the examining surgeon and nurses is the color-retaining property of this light—excellent substitute for natural daylight. Special wiring and equipment is recommended for professional use. Quotations upon request.

See page 10 for constructional details.

**NOTE** At somewhat lower costs, but maintaining the same lighting principles, Styles 9P and 10P Portables are available with or without Daylight Units (see page 10 for details).



**Style HD**

Especially adapted for Surgeons, Dentists, Oculists, etc., in Hospitals and Offices

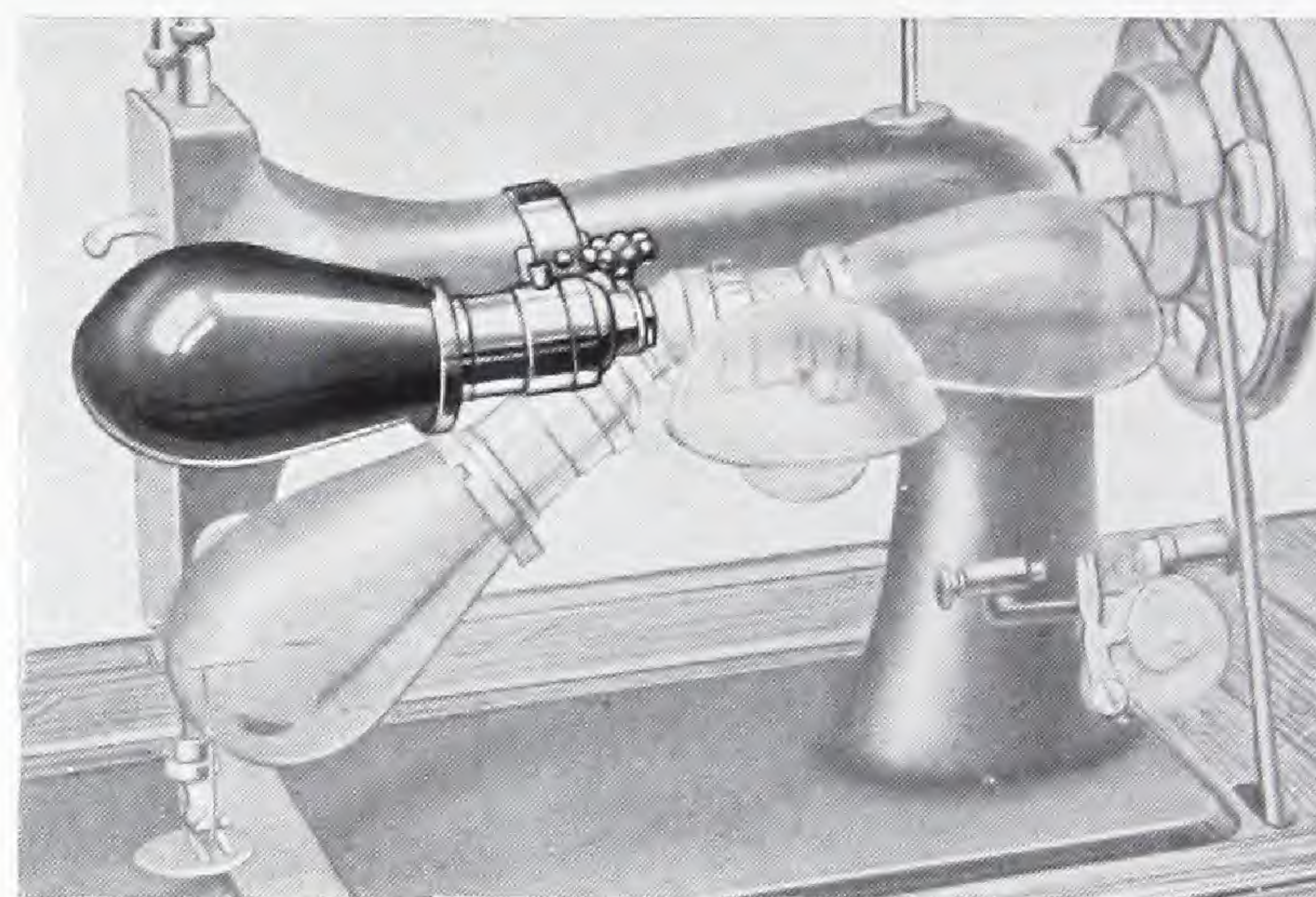
**Bare = HD; Equipped\* (see cut) = RHD; With Daylight Lens No. 100 = DHD**

Off-set, swivelling, disk-type of base joint, permitting angular adjustments in any direction through 180 degrees; universal mid-joint, wrist joint at lamp. Wired through both arms. Regular size,  $2\frac{1}{2}$ " x  $2\frac{1}{2}$ ". Standard finishes are old brass, statuary bronze, oxidized copper and nickel.

## Adjustable Sewing Machine Lights

Essential equipment for every Household Sewing Machine, prolonging daylight for every woman who sews

A device for giving the best possible lighting results on household sewing machines requires universal adjustability of the light itself, must be applicable to any standard make of machine, and must be readily detachable when used with cabinet or portable outfits. For utmost convenience it must use a standard lamp bulb, obtainable anywhere at low cost. These features are all incorporated in the "White" Style 1SM. The illustration shows the reflector adjusted in the required positions for regular sewing, threading the needle, hand sewing and rewinding the bobbin.



Suggested Positions for "White" Style 1SM



### Style 1SM

For Household Machines

**Bare = 1SM; Equipped as below = R1SM**

A variable strap clamp with ball stud that can be readily mounted on the neck of any standard household machine. The fixture itself is attached to the ball stud, making a neat universal joint and giving the essential adjustment positions by simply moving the light and turning the shade on the socket. The shade affords the proper protection for the eyes and a good light distribution. Equipped with 10' of green silk cord, standard push socket, bakelite separable plug and green reflector as shown; finished in nickel.

protection for the eyes and a good light distribution. Equipped with 10' of green silk cord, standard push socket, bakelite separable plug and green reflector as shown; finished in nickel.

### Style 1SM Special

For Power Machines

The same fixture as the regular Style 1SM, but with longer strap clamp. In ordering give the circumference about the neck of the machine at attachment point.

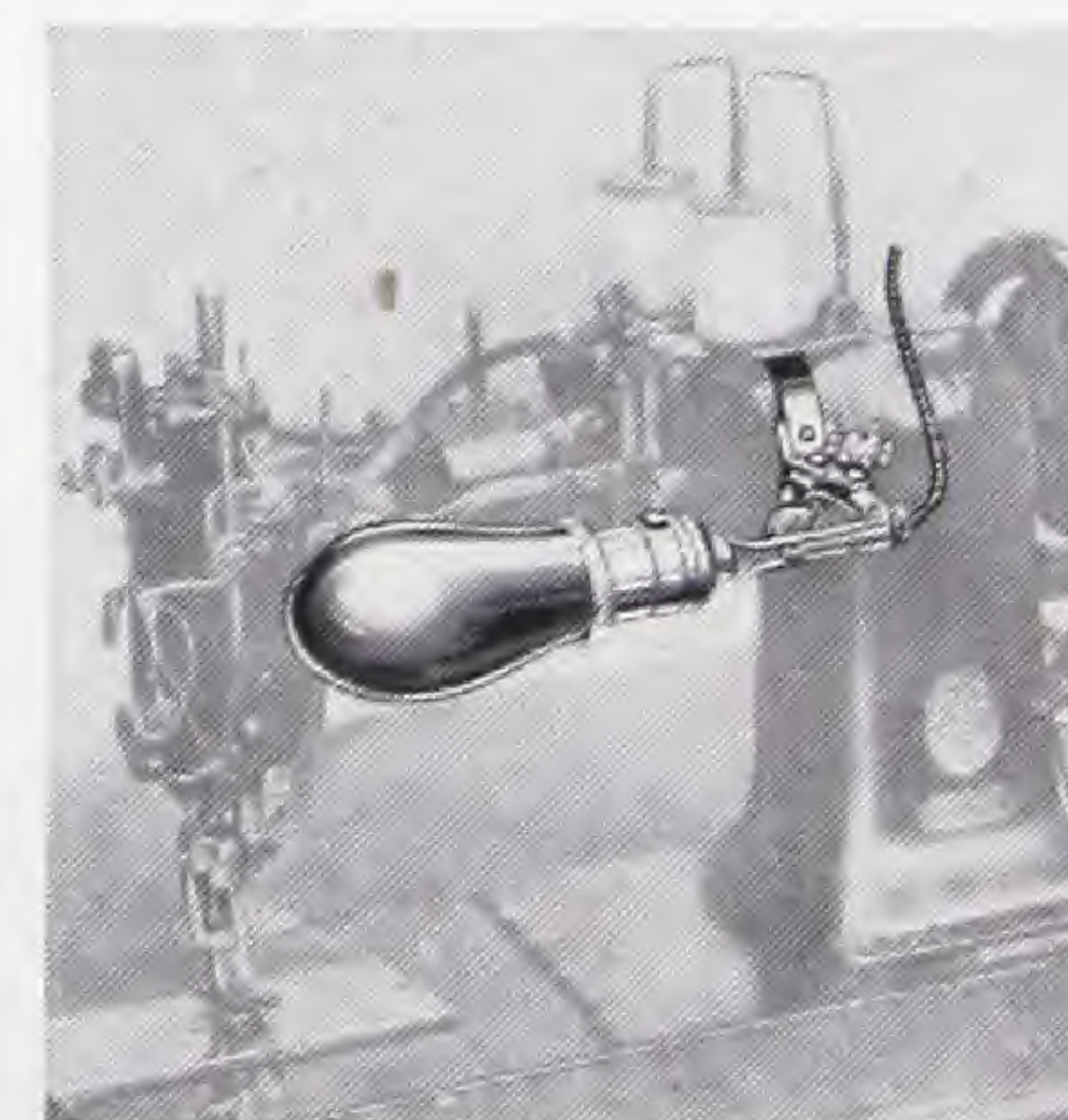
### Style HSM

For

Hemstitching Machines

**Bare = HSM; Equipped as below = RHSM**

Similar fixture to Style 1SM, but with specially fitted strap clamp that is mounted under the spool holder, and with an extension arm to give greater light range. Equipped with 10' of green silk cord, standard push socket, bakelite separable plug and green reflector. Nickel finish.

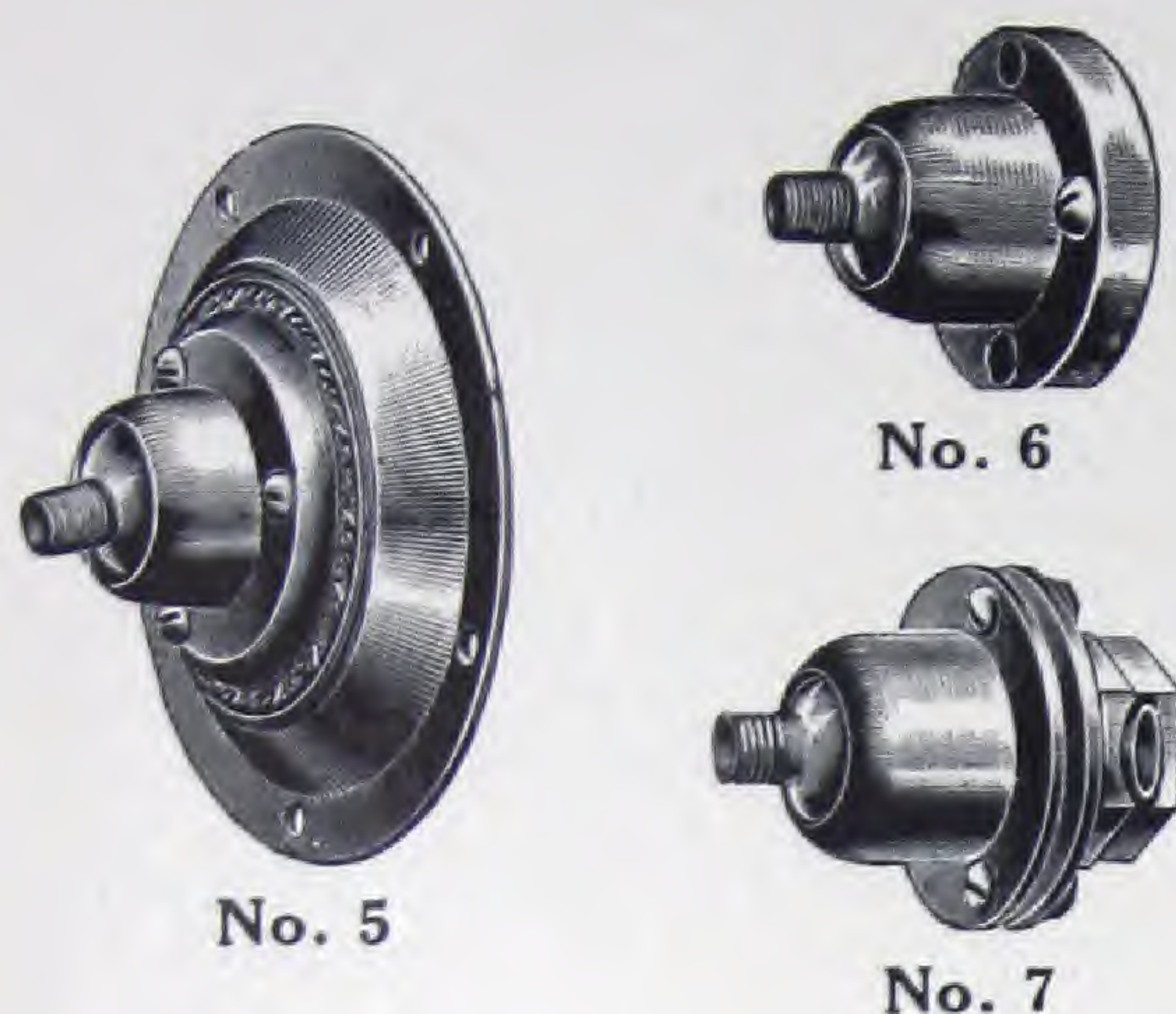


FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Store-Window Lighting Joints

When used with Reflectors such as are generally carried in stock by the dealer any desired effect in Spot or Flood Lighting may be readily obtained.



No. 5

No. 6

No. 7

### Ball-Joint Wall Plates

For light-weight reflectors on  $\frac{1}{8}$ " sockets.  
Made of brass and bronze and carefully insulated.  
Standard finishes, old brass, statuary bronze, oxidized copper, and nickel.  
Can be supplied unfinished.

#### Style No. 5 (see cut)

$4\frac{1}{2}$ " base, universally adjustable.

#### Style No. 6 (see cut)

$2\frac{1}{4}$ " base, universally adjustable.

#### Style No. 7 (see cut)

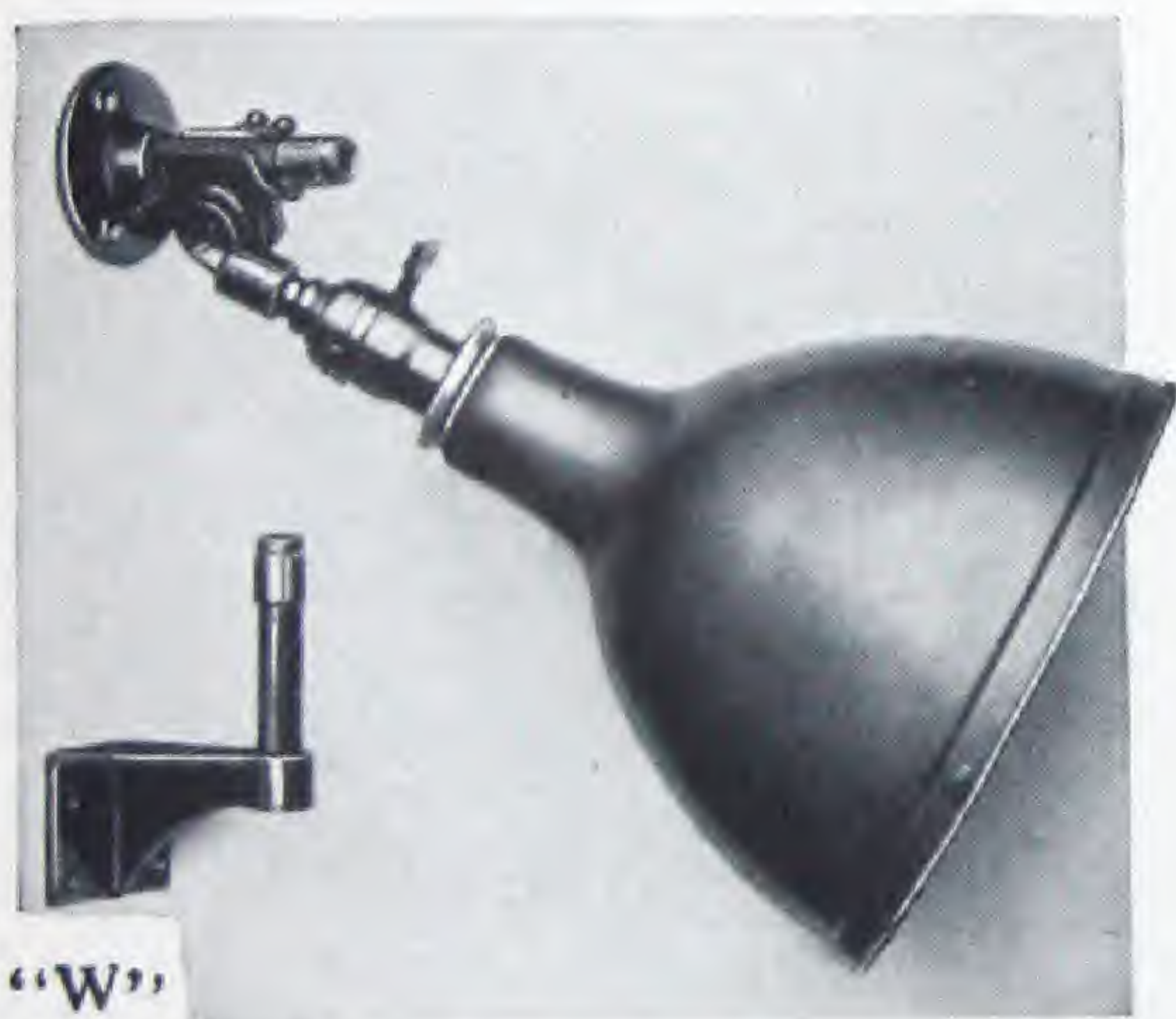
For threading on  $\frac{3}{8}$ " supporting pipe, universally adjustable.

### Style FL Universal Joint (see cut)

Strong and sturdy, designed to provide a secure support for even the heaviest types of standard reflectors and to permit any desired adjustability. The socket nipple swivels on a cone bearing and the entire joint rotates on the conduit or pipe on which it is mounted. Spring tension is controlled by a hand wheel.

Clamps directly to conduit pipe ( $\frac{1}{2}$ " regular;  $\frac{3}{8}$ " or  $\frac{3}{4}$ " optional) or to pipe stud, either vertical or horizontal; takes a  $\frac{3}{8}$ " socket (use reduction bushing for  $\frac{1}{2}$ "). Machine-tool builders' gray finish.

Style FLS Mounting Stud for above joint has a 3" diameter flange base with a 3" length of  $\frac{3}{8}$ " pipe. Longer studs to order. Gray and cadmium plate finish.

Style  
FL  
Joint

"W"

### Styles DFLS and DFLW (see cut)

**An Ideal Universally Adjustable Show Window Light Throwing a Strong Beam of Daylight**

For display lighting in store windows where it is essential to show the articles exhibited clearly in their true color values.

**Style DFLS** consists of an FL Joint, FLS Mounting Stud, a special heavy-duty key socket and a No. 900 Daylight Unit, finished in gray, unwired.

**Style DFLW** consists of an FL Joint, FLW Mounting Bracket, a special heavy-duty key socket and a No. 900 Daylight Unit, finished in gray, unwired.

### Do Your Eyes Get Tired?

The Human Eyes in their daily tasks are far more responsive to "Quality" in light than to "Quantity."

The soft, white light (as from the northern sky) produced by "White" Daylight Units has a distinctive clearness; it eliminates glare and softens shadows in a most beneficial way to the user whether for reading, writing, drawing, sewing, or any other eye-straining work. Color values are retained, not lost as with the ordinary electric lighting.

**Your Eyes are Priceless—Protect Them and Improve Your Work**

NOTE—Any "White" Fixture or Portable may be equipped with a suitable Daylight Unit.

Adjustable joints shown above are finished as noted and are priced without wiring and equipment.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Desk and Table Standards

For Offices, Banks, Directors' Tables, Etc.

Particularly adapted for use on Desks and Tables where the nature of the work requires a light of the right intensity from the right direction and at the right angle to avoid glare and shadows.

### "R" Type Standards

The "D" line of bench fixtures, described in detail on page 22, in the standard plated finishes becomes the "R" line. Except for finish they are identical; Styles 3R, 4R, and 1RR correspond to Styles 3D, 4D, and 1DD, which are regularly finished in black japan-enamel.

Standard finishes for "R" Fixtures are old brass, statuary bronze, oxidized copper and nickel.

Style 8VV\*  
(see cut)

Two lights with telescoping arms, adjustable at any angle in any direction. Lights may be concentrated or given their extreme spread of 5 feet. Height 26". Standard finishes are old brass, statuary bronze, oxidized copper and nickel.

Style 8VV

Style 8V\*  
(no cut)

One-light fixture, otherwise the same as 8VV.

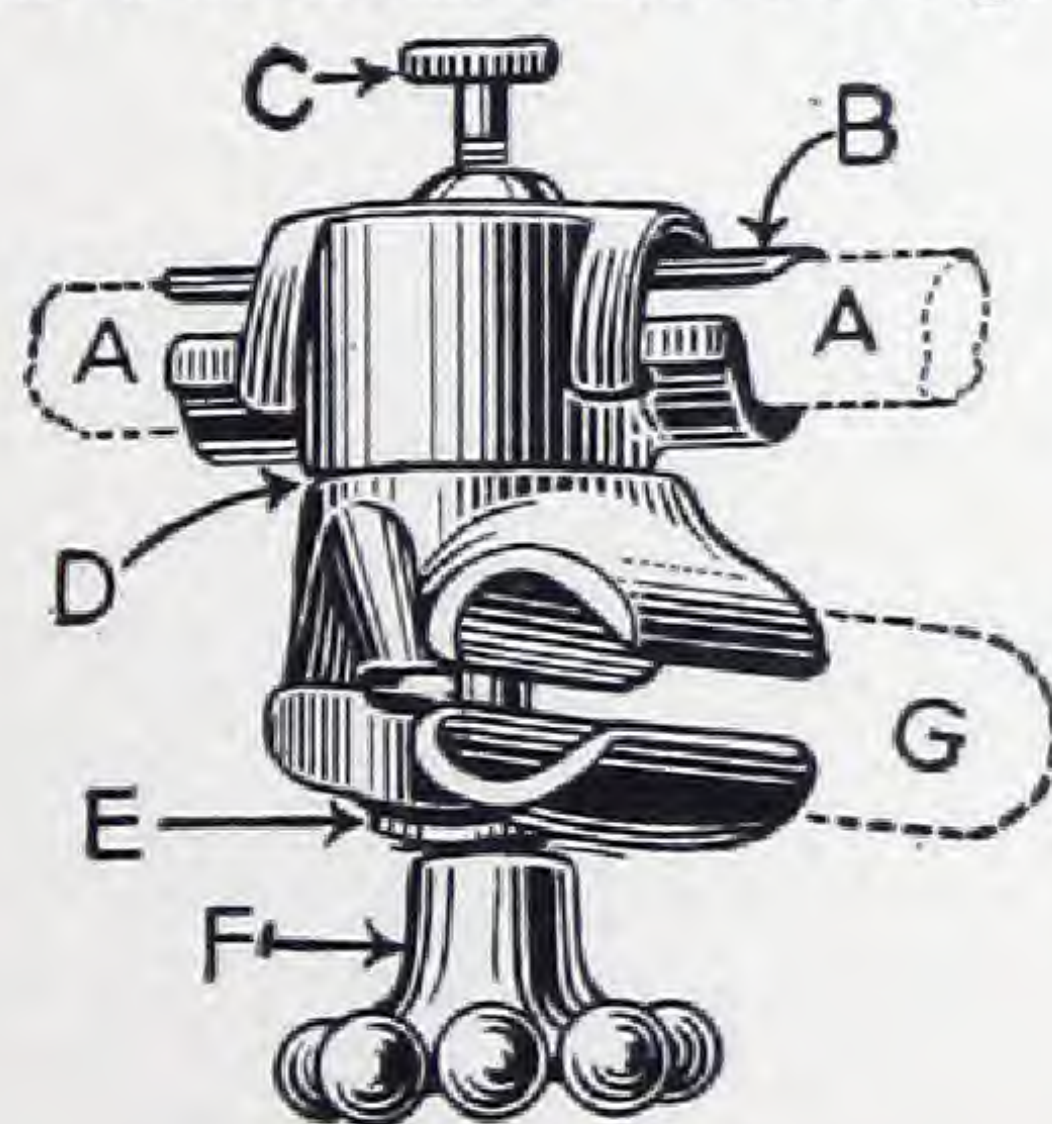
Priced bare, package goods, or with Daylight Units. See "Latest Net Price Sheet."

## Adjustment Features of "White" Joints

Much of the success of "White" Adjustable Fixtures is due to their **automatic control**, a feature that enables the fixture to be moved from one position to another without attention to joints or fastenings—it stays "put" in any position. This is obtained by "frictional-spring-tension," variable as may be desired. **Universal Adjustability** with automatic control is a feature of all "White" Joints, which are made in a large variety of styles and sizes. The "White" Lamp Arm is a typical illustration.



The "White" Lamp Arm is regularly a length (stock sizes from 6" to 4', in 6" multiples) of  $\frac{1}{2}$ " ( $\frac{1}{4}$ " pipe size) special steel tubing uniformly round and smooth with a "wrist joint" threaded on one end for holding lamp socket, an "insulated tip" threaded on the other, and a universal "cone joint" for clamping the Lamp Arm to a supporting pipe, conduit, or other fixture arm. Finished in gray with rust-resisting cadmium-plated working parts to insure proper grounding. Constructional details of these Joints are given below.



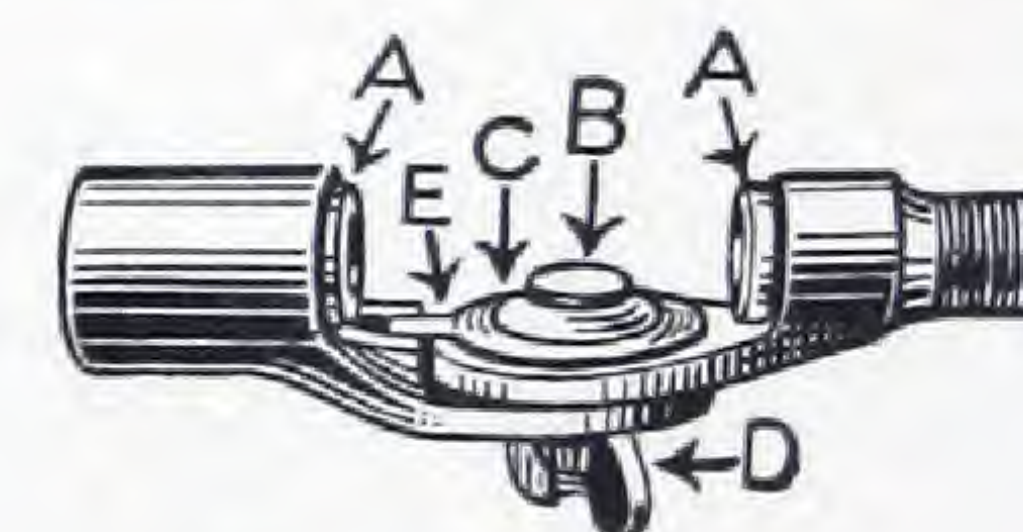
Cone Joint

The Lamp Arm (a) slides lengthwise and rotates under frictional tension applied by tempered spring (b) controlled by thumb screw (c). This part, as a unit, swivels in a cone bearing (d) which is under tension applied by tempered spring washer (e) controlled by hand wheel (f).

The entire joint, with lamp arm, rotates about the main or supporting arm (g) under frictional tension, also controlled by hand wheel (f).

The combination of these two swiveling and rotating movements affords universal adjustability to the lamp arm.

Cone Joints are regularly made to clamp  $\frac{7}{16}$ " rod,  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " or  $\frac{3}{4}$ " (pipe size) supporting arms, with a standard lamp arm ( $\frac{1}{4}$ "). A heavy-duty type is made in  $\frac{3}{8}$ ",  $\frac{1}{2}$ ", or  $\frac{3}{4}$ " by  $\frac{1}{4}$ " sizes. An extra heavy-duty type is made in  $\frac{3}{8}$ ",  $\frac{1}{2}$ " or  $\frac{3}{4}$ " by  $\frac{3}{8}$ " sizes.



Wrist Joint

The Wrist Joint (made of manganese bronze), has two fibre-insulating bushings (a) to prevent injury to the cord. The socket end (male) swivels on the bolt (b) under frictional tension of tempered spring washer (c) controlled by wing nut (d). The spring washer (c) has a tab (e) resting between shoulders of the other half of the joint (female); this locks the washer from rotating. The bolt (b) is locked against turning in the spring washer (c) by a lug (not shown) under the head engaging in a slot. Thus, the wing nut (d) cannot become loosened by any adjusting of the Wrist Joint which, consequently, remains fixed in any desired position.

The swiveling, sliding and rotating freedom of the Lamp Arm in the Cone Joint, together with the angular movement available to the Wrist Joint, gives universal adjustability to the lamp.

Wrist Joints are regularly made to take a  $\frac{1}{4}$ " (pipe size) lamp arm and  $\frac{1}{8}$ ",  $\frac{1}{4}$ " or  $\frac{3}{8}$ " socket caps.

A special heavy-duty type is made of malleable iron for  $\frac{1}{4}$ " or  $\frac{3}{8}$ " (pipe size) lamp arms and  $\frac{3}{8}$ " sockets.

The  $\frac{1}{2}$ " sockets may be used with a reduction bushing.



## Industrial Lighting

Universal Adjustability of "WHITE" Fixtures, obtained without attention to adjustment controls, enables the worker to apply his individual light exactly as the work at hand requires, from any direction, at any angle, and at any distance.

This is "Applied Illumination"

### FACTORS OF EFFICIENCY REDUCING MANUFACTURING COSTS

The more important advantages of an installation of "White" Adjustable Fixtures (supplementing a moderate amount of General Illumination for general lighting purposes), as they influence production costs are . . .

*Flexibility* for the perfect illumination of any operation in the plant, regardless of location or arrangement.

*Quantity of Light* (intensity) under control by adjustment of distance of lamp from work.

*Application of Light* to the work, instead of an awkward and inefficient endeavor to accommodate work to the light.

*Avoidance of Glare*, direct or reflected, in the eyes of the individual worker or those adjacent to him.

*Elimination of Interfering Shadows* from the worker himself or any part of his equipment—so vitally necessary to proper vision of critical details.

*Affords Perfect Control* of such shadow effect upon the work as may be required for contrasts.

*Quality of Light* may be selected as best suited for each operation (see page 3.)

Each individual light is a special tool, appreciated as such. Enables workers with subnormal vision to function satisfactorily.

Less expense from lamp replacements and maintenance troubles.

Lower Current Consumption—lamps of lower wattage used with better results—the turning off of an individual light affects no other worker.

Production increased and bettered and spoilage lessened.

And . . . PRODUCTION COSTS REDUCED.

There is a "White" Adjustable Fixture or Portable applicable to every practical requirement of "Applied Illumination" in any industrial plant.

### A Suggestion to Plant Managers and Executives

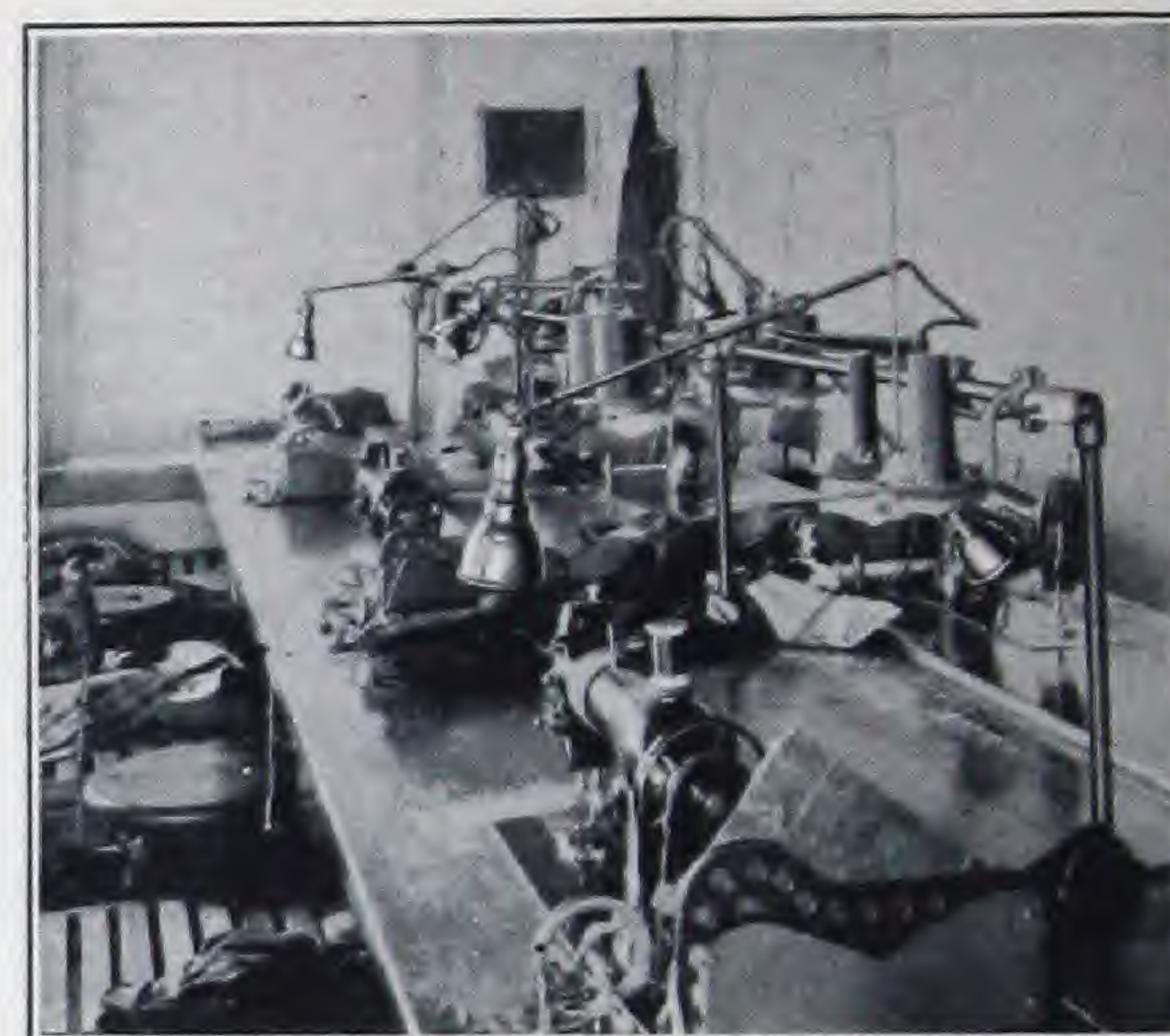
Why **flood-light** the entire room to light operations of an exacting nature? It is more expensive and not nearly as satisfactory to the individual as a moderate amount of general illumination (overhead lighting) in combination with individual low-wattage lights, provided these lights are universally adjustable to meet all the ever-changing requirements of the particular task in question.

The O. C. White Company has for years been specialists in this type of lighting and has developed the comprehensive line cataloged herein—a type for every requirement.

Hundreds of thousands of "White" Adjustable Fixtures and Portables are in use in the Industrial United States and Canada. A glance at the "Partial List of Quantity Users"—copy sent upon request—is a revelation of a satisfaction and service rendered that is constantly being emphasized by **repeat orders**. See selections below.

As most of these large "White" equipments resulted from the **trial and test of samples**, the suggestion is made to anyone interested in lowering production costs through better lighting—"do likewise."

Hearty co-operation is assured by The O. C. WHITE COMPANY



A corner in one of the plants of Stein-Block Co., Rochester, N. Y. where hundreds of "White" Adjustable Stitching-table Fixtures are in use.

### "A Partial List of Quantity Users"

A most unusual testimonial. The following selections from the list of over 1250 show the type and variety of industries represented. Made possible only by *repeat orders*.

Atwater Kent Mfg. Co.  
National Cash Register Co.  
L. E. Waterman Co.  
Royal Typewriter Co.  
American Chain Co.  
Babcock & Wilcox Co.  
Singer Mfg. Co.  
Pratt & Whitney Co.  
United Shoe Machinery Co.  
R. Hoe & Co.  
Mergenthaler Linotype Co.  
Westinghouse Air Brake Co.  
Government Printing Office  
Weston Electrical Instrument Co.  
Rogers Peet Co.  
American Optical Co.  
Gillette Safety Razor Co.  
B. F. Goodrich Co.  
Curtis Publishing Co.  
Gorham Mfg. Co.  
Elgin National Watch Co.  
Link Belt Co.  
Otis Elevator Co.  
Westinghouse Electric & Mfg. Co.  
Remington-Rand Co.  
Interborough Rapid Transit Co.  
Curtis Aeroplane & Motor Co.  
Endicott-Johnson Co.  
Ford Motor Co.  
R. C. A. Victor Corp.

Tiffany & Co.  
Dennison Mfg. Co.  
Winchester Repeating Arms Co.  
Cluet, Peabody Co.  
Mass. Institute of Technology  
L. S. Starrett Co.  
Union Twist Drill Co.  
Stanley Works  
Geo. E. Keith Co.  
Michaels Stern & Co.  
Cheney Bros.  
Amoskeag Mfg. Co.  
Chalmers Knitting Co.  
M. J. Whittall Associates  
Hickey Freeman Co.  
S. S. White Dental Mfg. Co.  
Whittall-Tatum Co.  
Walter Baker & Co.  
Kellogg Products  
Larkin Co.  
Ginn & Co.  
Harvard University  
Rockefeller Foundation  
John Wanamaker  
Glen L. Martin Co.  
American Body Co.  
Pierce Arrow Motor Car Co.  
Studebaker Corp.  
Massachusetts General Hospital  
U. of Pa. Medical School

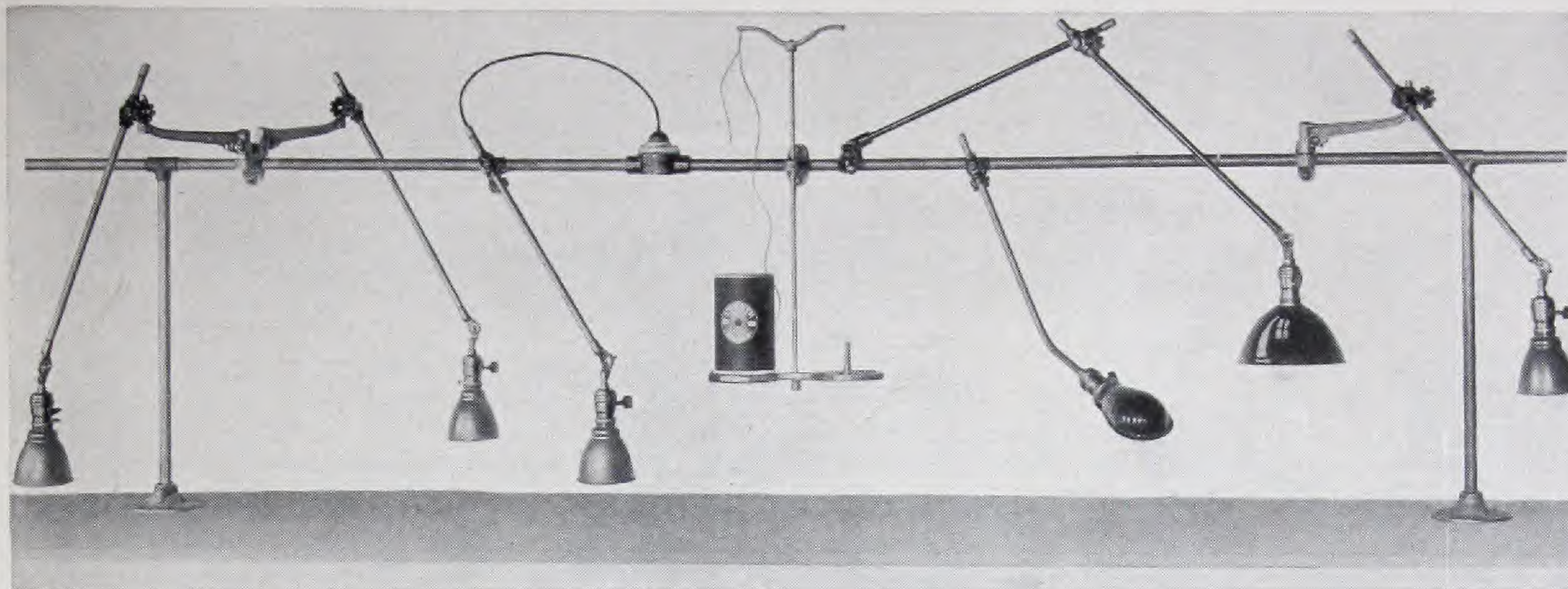
International Shoe Co.  
General Fire Extinguisher Co.  
Brown & Sharpe Mfg. Co.  
Norton Co.  
U. S. Envelope Co.  
Wyman & Gordon Co.  
Greenfield Tap & Die Corp.  
Graton & Knight Co.  
Smith & Wesson  
Henry Disston & Sons  
Keystone Watch Case Co.  
Ingersoll-Rand Co.  
R. H. Ingersoll & Bro.  
Crompton & Knowles Loom Works  
Doehler Die Casting Co.  
Rome Wire Co.  
New Departure Mfg. Co.  
Worthington Pump Corp.  
Crouse-Hinds Co.  
Western Clock Co.  
Consolidated Car Heating Co.  
Harrison Radiator Corp.  
Landers, Frary & Clark  
American Hosiery Co.  
Commonwealth Shoe & Leather Co.  
New England Tel. & Tel. Co.  
Reiss-Premier Pipe Co.  
Pratt & Whitney Aircraft Corp.  
Terminal Barber Shops  
Eastman Kodak Co.

Weir Stove Co.  
Baldwin Locomotive Works  
General Electric Co.  
American Brass Co.  
Bethlehem Steel Co.  
American Woolen Co.  
Sears, Roebuck & Co.  
National Carbon Co.  
American Can Co.  
U. S. Rubber Co.  
Pennsylvania Railroad Lines  
Swift & Co.  
Hotel Astor  
International Silver Co.  
American Steel & Wire Co.  
Yale & Towne Mfg. Co.  
National Casket Co.  
American Thread Co.  
Standard Steel Car Co.  
Aeolian Co.  
Remington Arms Co.  
Underwood Computing Mach. Co.  
N. Y. Shipbuilding Co.  
B. F. Sturtevant Co.  
Hudson Motor Car Co.  
Standard Oil Co.  
Corbin-Holmes Shoe Co.  
S. F. Bowser Co.  
Dupont Rayon Co.  
General Motors Corp.



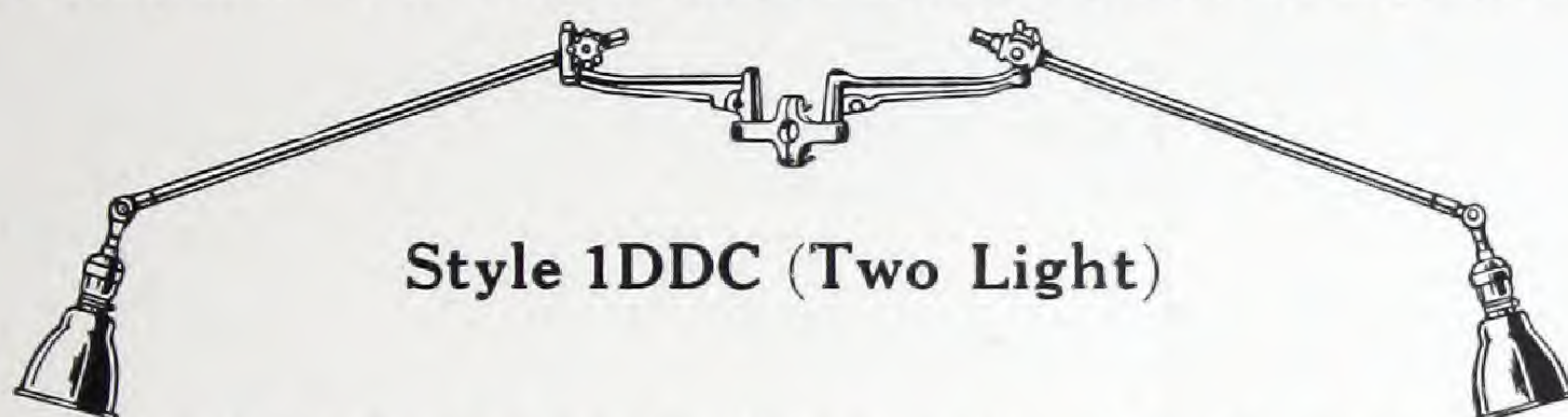
## Adjustable Table Fixtures

For Stitching or Assembling Tables in Factories and Mills. Specially developed to meet the requirements in clothing, shoe, and similar industries.



### "White Adjustable" Fixtures on a Conduit Frame

There are many places where a conduit frame may be used advantageously. This not only affords the support for the adjustable arms, but provides for the wiring and necessary outlets. This system, originated by The O. C. White Company, has been developed to include the five styles shown above (detailed below), and meets all practical requirements of utility and price. The frame, built by the installing contractor, is usually made of  $\frac{1}{2}$ " conduit pipe, located 20" above the table and fitted with outlet boxes as required. The upright supports may be extended through to the floor to minimize vibration.



Style 1DDC (Two Light)

#### Style 1DDC (see cut) Unrestricted adjustability

Clamps to  $\frac{1}{2}$ " or  $\frac{3}{4}$ " conduit (regularly horizontal, but can be furnished for vertical). Swing-crank arms; universal mid-joints; wrist joints at lamps. Wired through lamp arms and base ends of crank arms. Lamp arms, 18". Extreme extension, 25".

#### Style 1DC (see cut) Unrestricted adjustability

Same construction as Style 1DDC, but for single light only. Clamps to  $\frac{1}{2}$ " or  $\frac{3}{4}$ " conduit (regularly horizontal, but can be furnished for vertical). Lamp arm, 18". Extreme extension, 25".

#### Style 1LA (see cut) Unrestricted adjustability

Universal joint for direct attachment to either vertical or horizontal conduit; wrist joint at lamp. Lamp arm, 18". Can be furnished for  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ", or  $\frac{3}{4}$ " pipe.

#### Style 2LA (see cut) Unrestricted adjustability

Double arm type, giving maximum range and clearance. Universal joint for direct attachment to either horizontal or vertical conduit; universal mid-joint; wrist joint at lamp. Extreme extension 36". Can be furnished for  $\frac{3}{8}$ ",  $\frac{1}{2}$ ", or  $\frac{3}{4}$ " pipe.

#### Style 1S (see cut) Curved-Arm Type

Universal joint for attachment to conduit, but no wrist joint at lamp. Wonderful adjustability, simple and efficient. Regularly furnished for attachment to  $\frac{1}{2}$ " pipe, but can be furnished for  $\frac{1}{4}$ ",  $\frac{3}{8}$ ", or  $\frac{3}{4}$ " pipe. Length of arm, 18". Takes  $\frac{1}{4}$ " socket.

#### Spool Holder Clamps (see cuts)

To Clamp on  $\frac{1}{2}$ " or  $\frac{3}{4}$ " Pipe. Black Japan-enamel Finish.

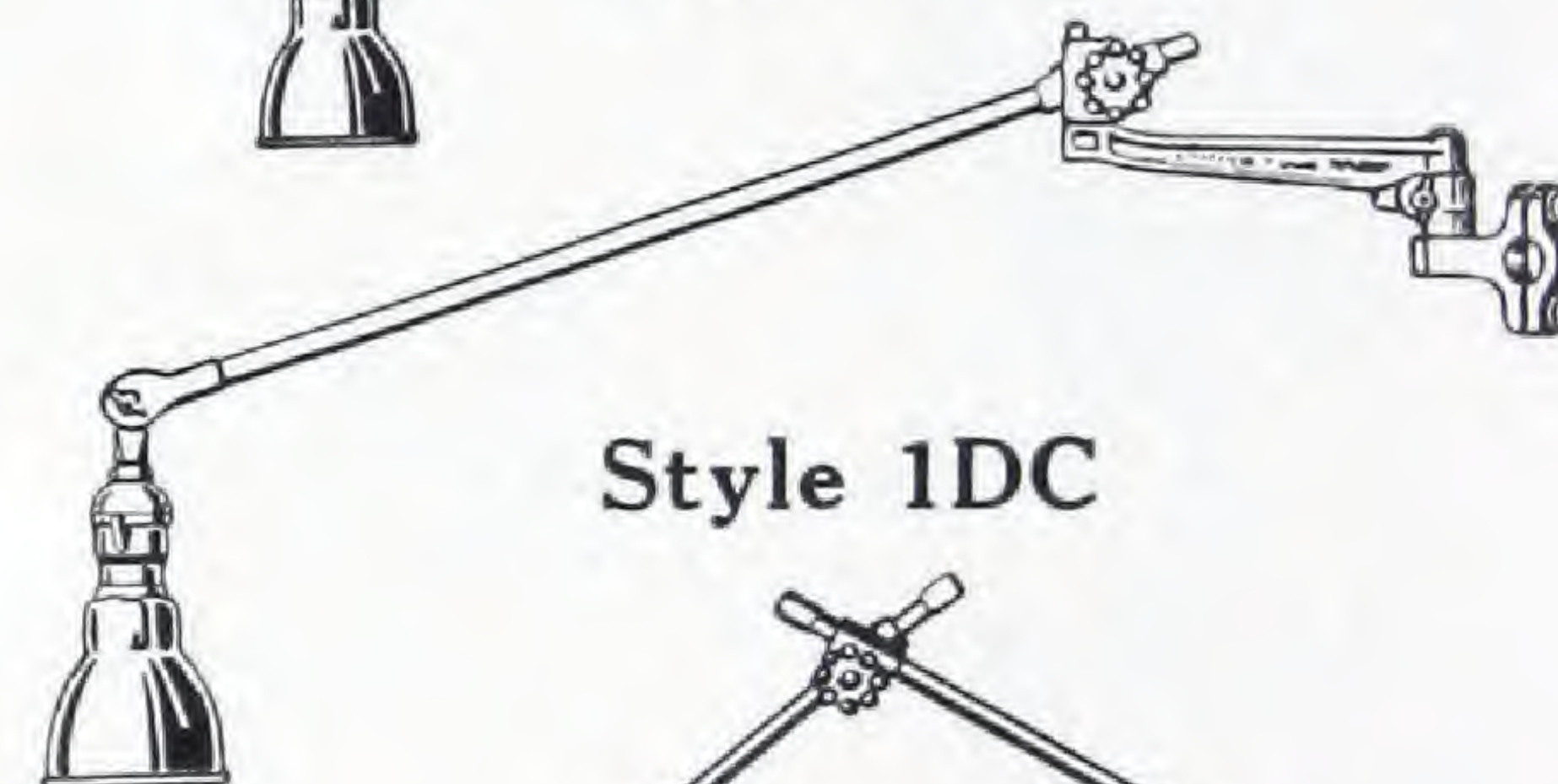
Style 1SH (see cut) to slip  $\frac{5}{16}$ " or  $\frac{3}{8}$ " rod, offset  $1\frac{3}{4}$ " from center of conduit.

Style 2SH (see cut) to slip  $\frac{5}{16}$ " or  $\frac{3}{8}$ " rod, offset  $3\frac{1}{2}$ " from center.

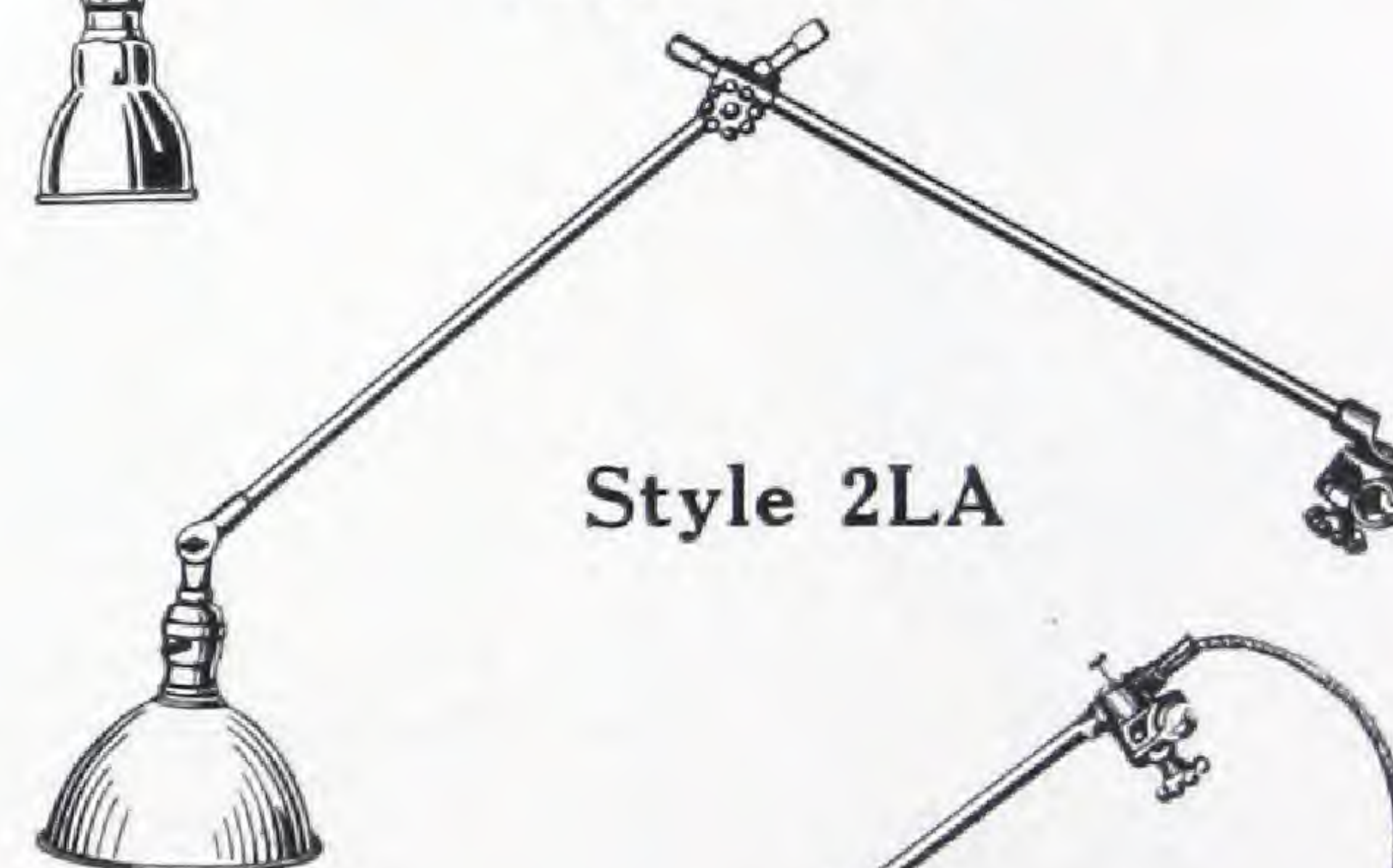
Style 3SH (see cut) takes  $\frac{5}{16}$ " or  $\frac{3}{8}$ " rod directly over conduit.



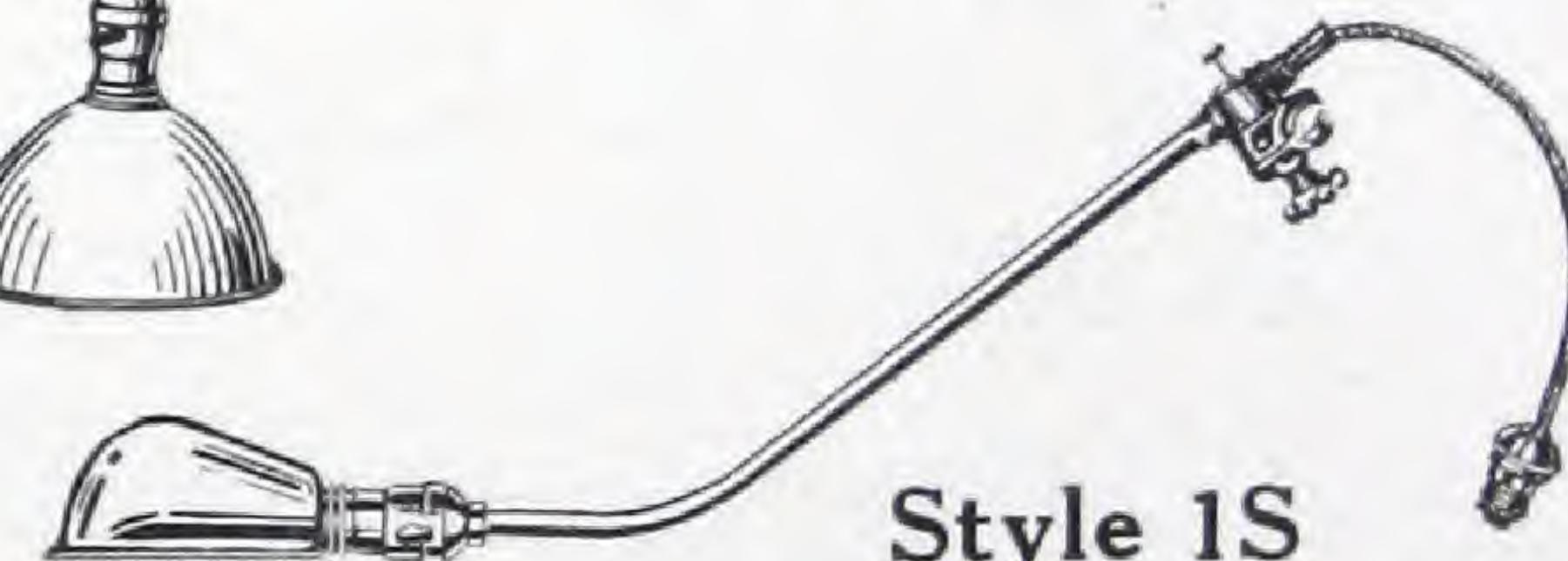
Style 1LA



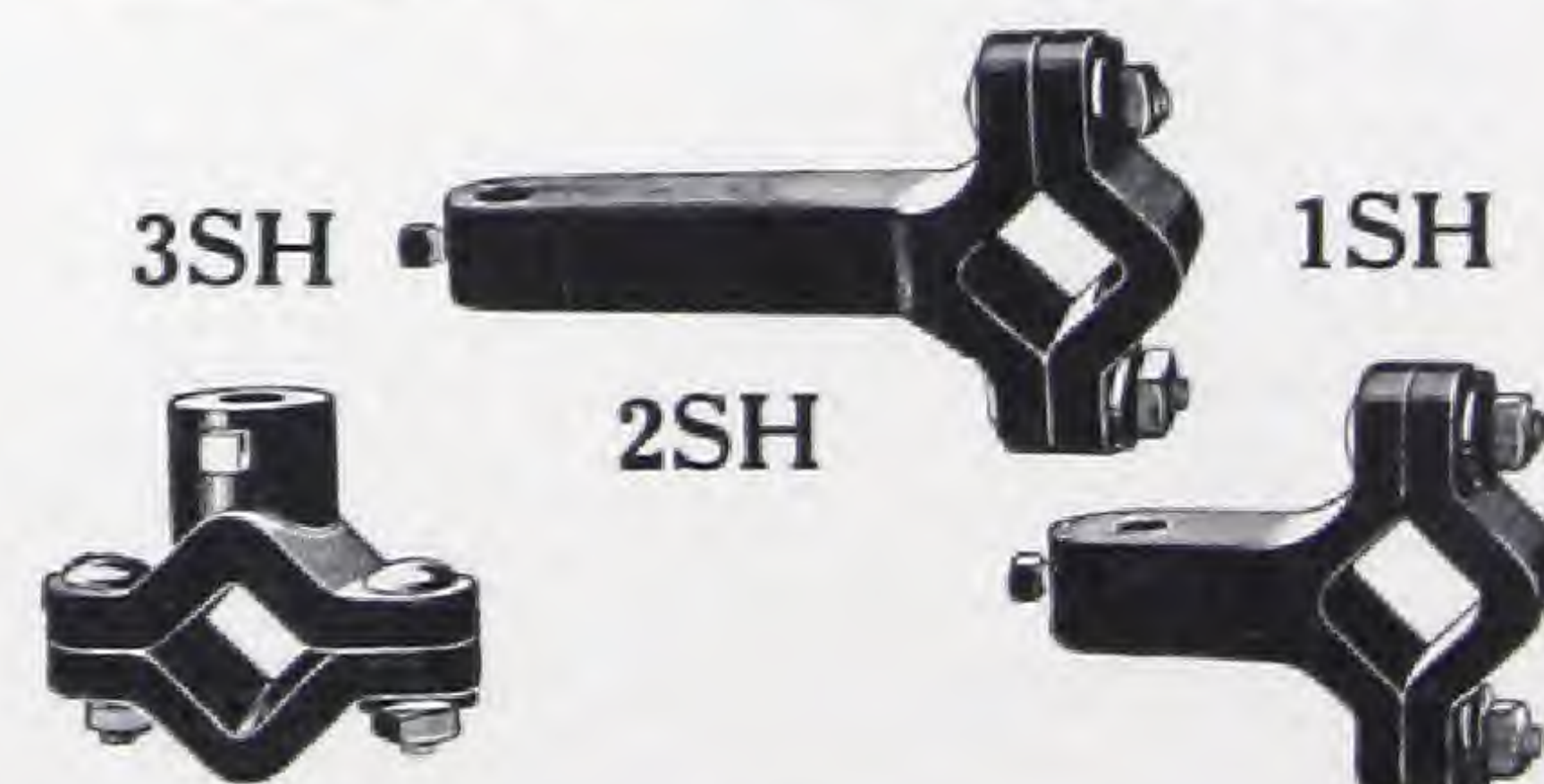
Style 1DC



Style 2LA



Style 1S



Stitching Table Fixtures are regularly finished in black japan-enamel with rust-resisting cadmium-plated lamp arms to insure proper grounding; machine-tool builders' gray with cadmium-plated lamp arms are optional. Longer arms furnished at small additional cost. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Ceiling Fixtures

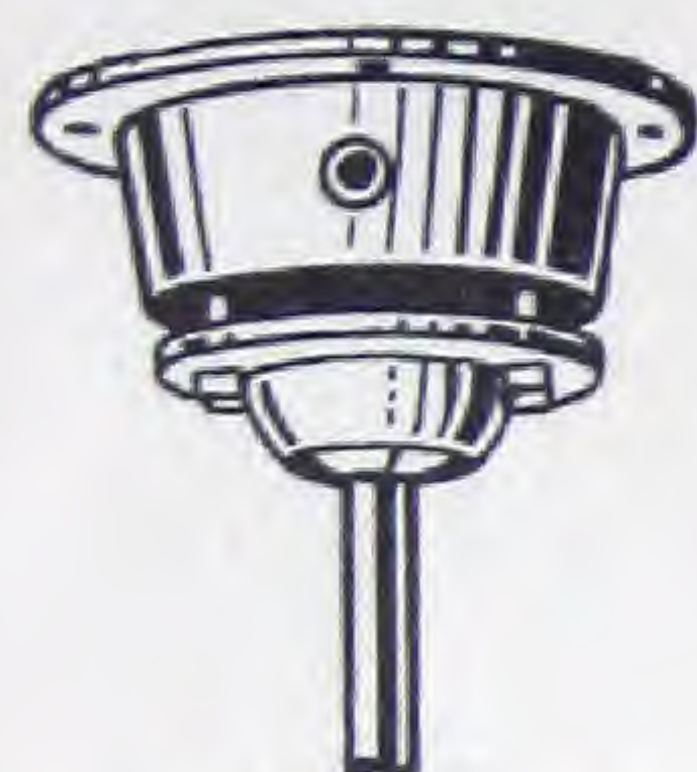
For Machine Shops, Factories, Mills and Drafting Rooms. Universally adjustable, any position of Light obtainable without attention to Joints or Fastenings.

### Two-Arm "A" Type Fixtures (see cut)

A sturdy Ball-and-Socket Joint for ceiling attachment made in a variety of styles to meet various wiring conditions. The Main Arm drops to about 6½' above the floor and has an angular adjustment of 60° in all directions. Lamp Arm attaches to Main Arm by universal and sliding cone joint, wrist joint at lamp.

### Plug Outlet (T) (see fixture cut)

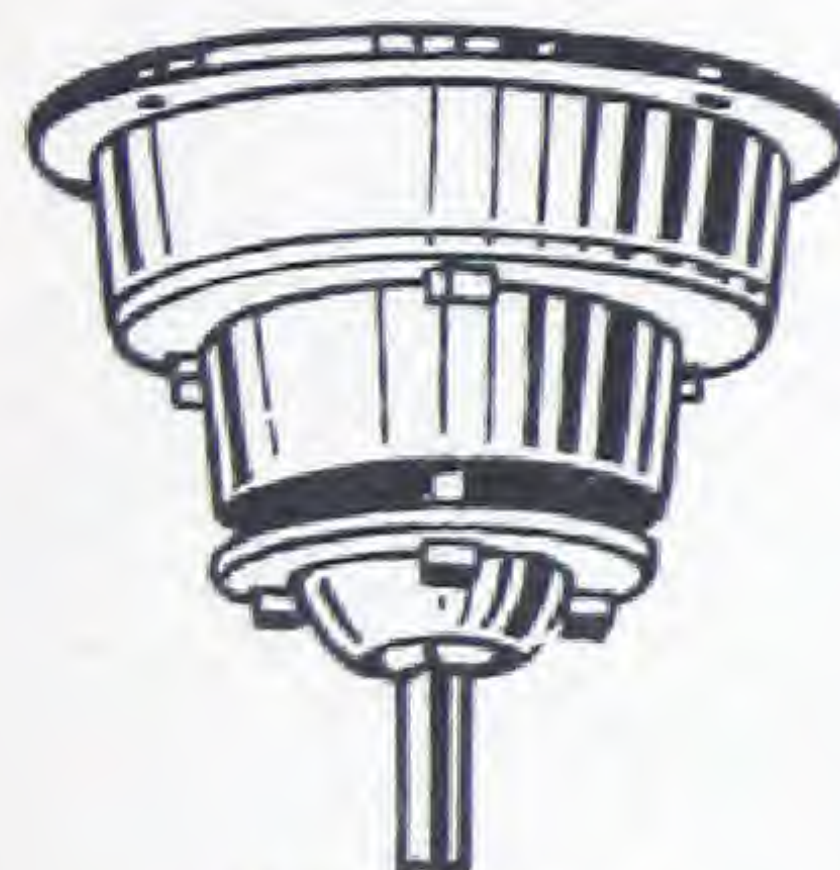
A "Plug Outlet" may be incorporated into any fixture and brings directly to the work a most convenient receptacle for electrical tools such as drills, grinders, soldering-irons, etc., or auxiliary "White" Portable Light, Style SPT (see Page 24). Indicated by addition of "T" to style designation.



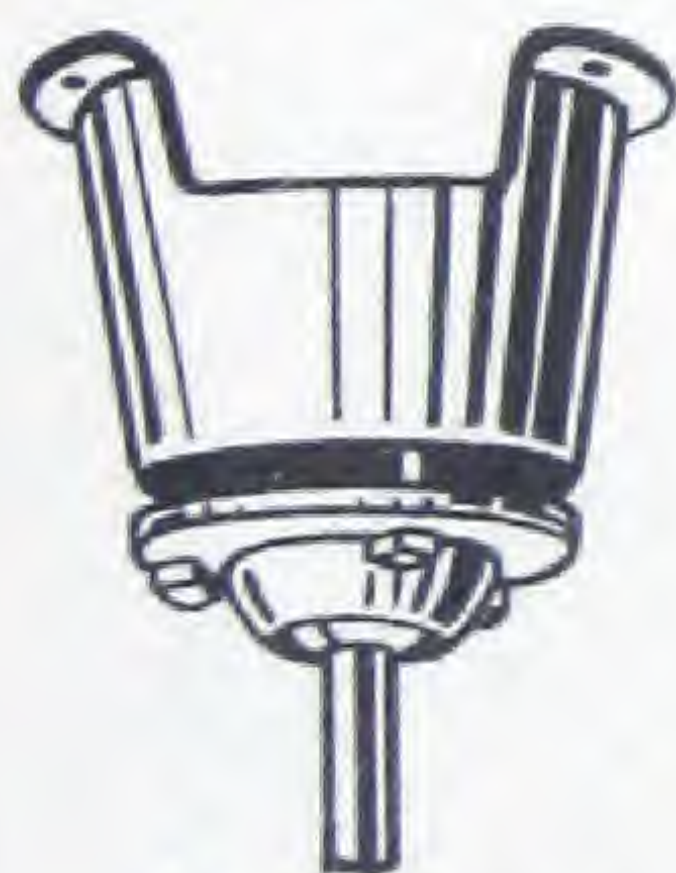
AW Base



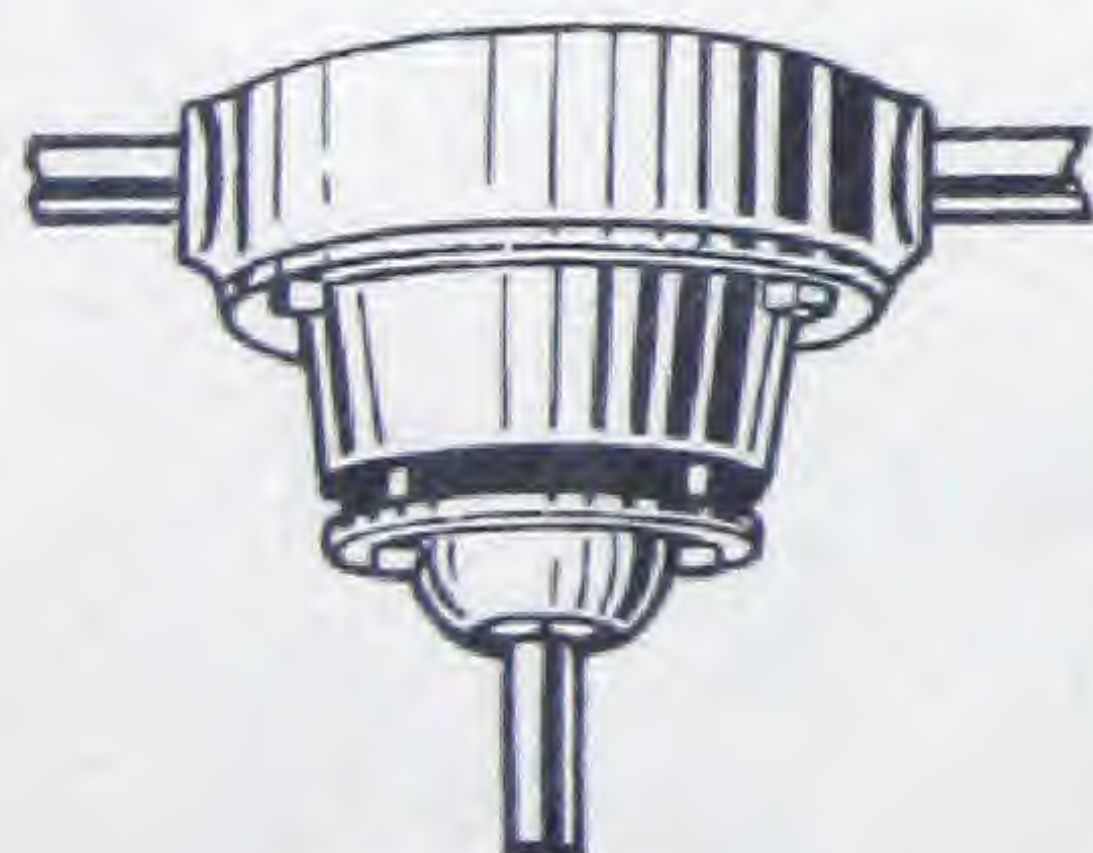
1A Base



AC Base



AR Base



AWC Base

### Style AW (see cut of base)

Wired through both arms and base to ceiling rosette or outlet. Made in three different weights for ceilings up to 23' in height as follows:

Style AW, regular, takes ⅜" pipe up to 7½' lengths.

Style XAW, heavy type, takes ½" pipe up to 12' lengths.

Style XXAW, extra heavy, takes ¾" pipe up to 16' lengths.

Lamp Arm varies as desired.

For regular stock sizes, see price sheets.

### Style 1A (see cut of base)

Wired through Lamp Arm only to ceiling rosette or outlet. Is made in four different weights for ceilings up to 23' in height as follows:

Style 2A, light weight, takes ¼" pipe for short lengths only.

Style 1A, regular, takes ⅜" pipe up to 7½' lengths.

Style XA, heavy type, takes ½" pipe up to 12' lengths.

Style XXA, extra heavy, takes ¾" pipe up to 16' lengths.

Lamp Arm varies as desired.

For regular stock sizes, see price sheets.

### Style AC (see cut of base)

For attachment over conduit outlet box; wired through both arms and base. Made in one weight for ceilings up to 15' in height. Takes ⅜" pipe for Main Arm.

Lamp Arm varies as desired.

For regular stock sizes, see price sheets.

### Style AR (see cut of base)

To straddle rosette or outlet in exposed wiring or conduit system; wired through both arms and base. Made in one weight for ceilings up to 15' in height. Takes ⅜" pipe for Main Arm.

Lamp Arm varies as desired.

For regular stock sizes, see price sheets.

### Style AWC (see cut of base)

#### Conduit System Base for Garages and Buildings of Similar Construction

A Style AW base-joint mounted on a special base (C) into which the conduit pipe is threaded, regular ½", optional ¾"; wired through both arms and base. Made in three weights for ceilings up to 23' in height as follows:

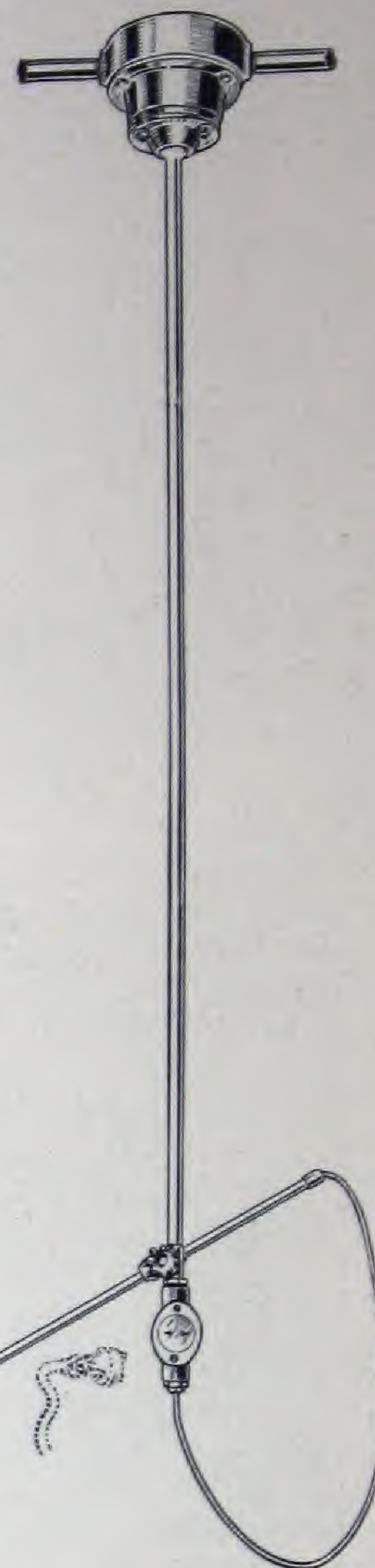
Style AWC, regular, takes ⅜" pipe up to 7½' lengths.

Style XAWC, heavy type, takes ½" pipe up to 12' lengths.

Style XXAWC, extra heavy, takes ¾" pipe up to 16' lengths.

Lamp Arm varies as desired.

For regular stock sizes, see price sheets.



### Type "A" Ceiling Fixture

Comprises a ball-and-socket joint at ceiling, a main arm, connecting cone joint, lamp arm and wrist joint for socket. The illustration shows Style AWCT.

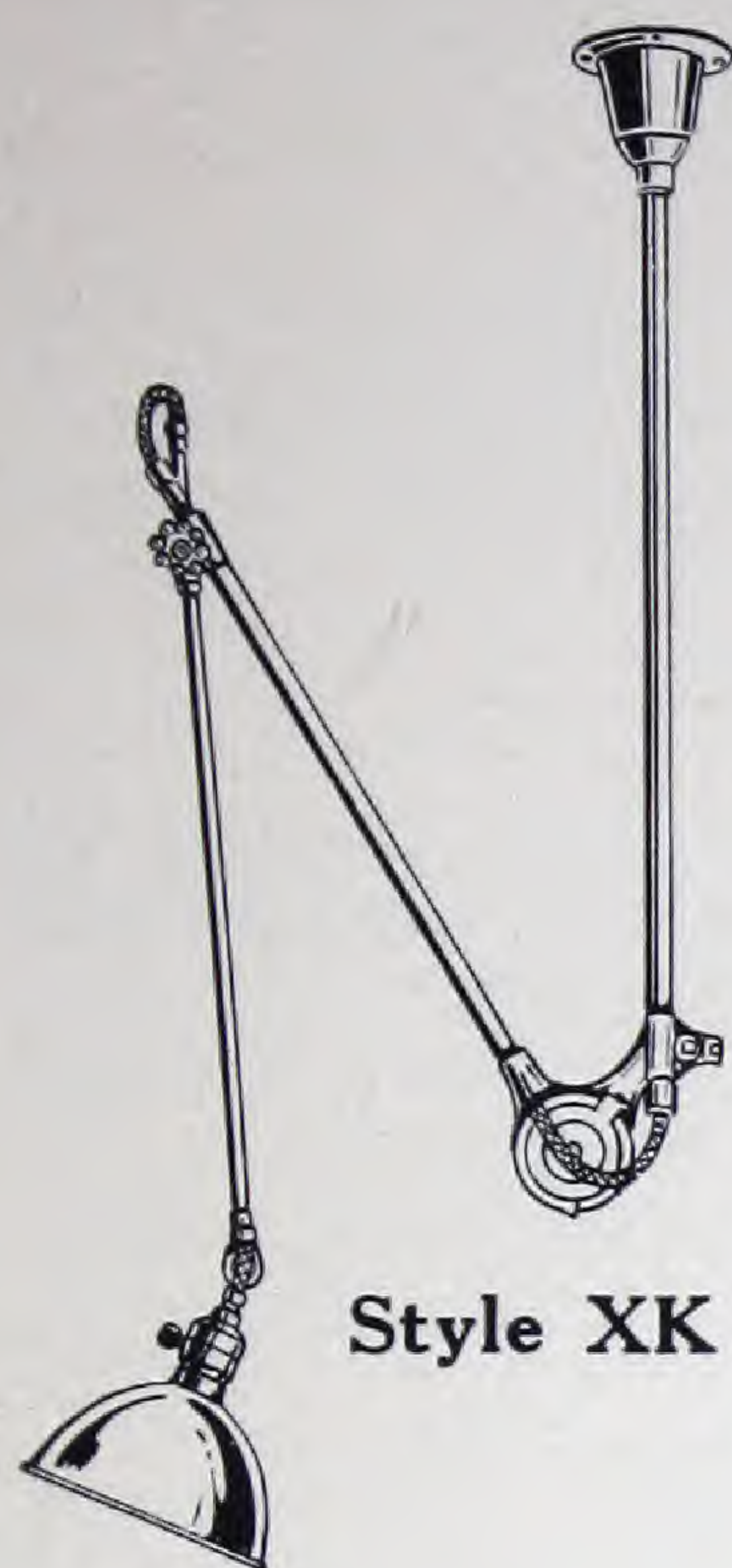
Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to ensure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES AND SIZES, SEE LATEST "NET PRICE LIST"



## Adjustable Ceiling Fixtures

Three-Arm Type. One or Two Lights



Style XK

### Style XK (see cut)

Instantly adjustable up or down and over a large working area.

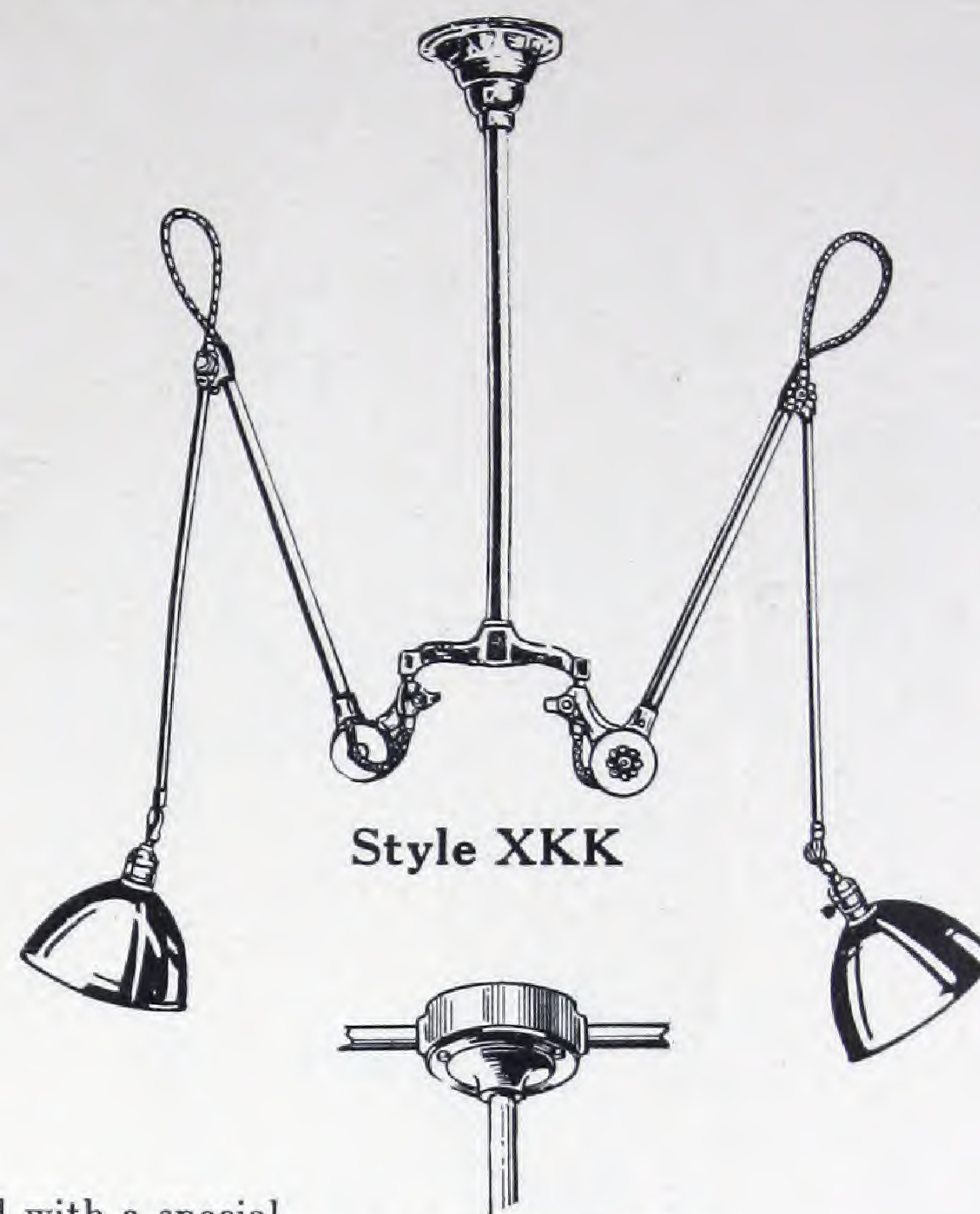
Rigid main arm on heavy base; special, spring balanced, adjustable disk-joint which perfectly counterbalances weight of middle arm and lamp arm and swings at any angle; universal joint on lamp arm; wrist joint at lamp. Wires through all three arms and base.

Made in 13 sizes (see Price List), for ceilings up to 21' in height.

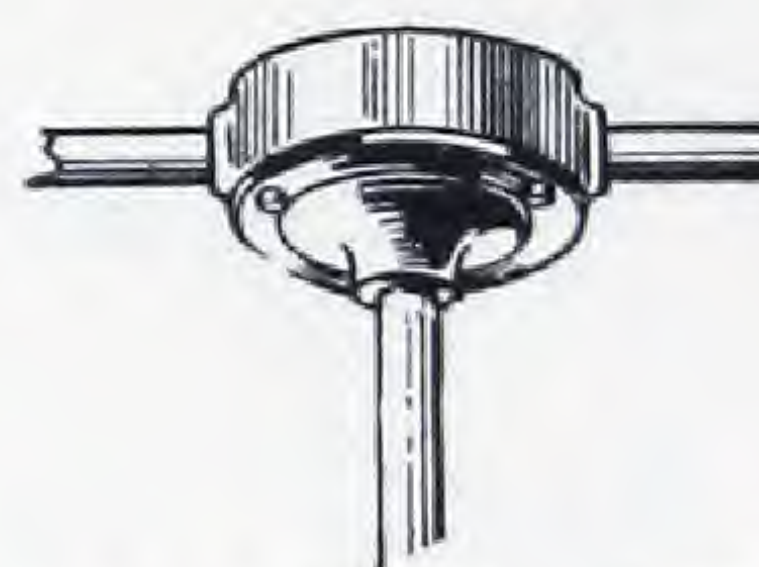
### Style XKK (see cut)

Same as Style XK above but with two lights which may be brought close together or used separately.

Each light is universally adjustable.



Style XKK

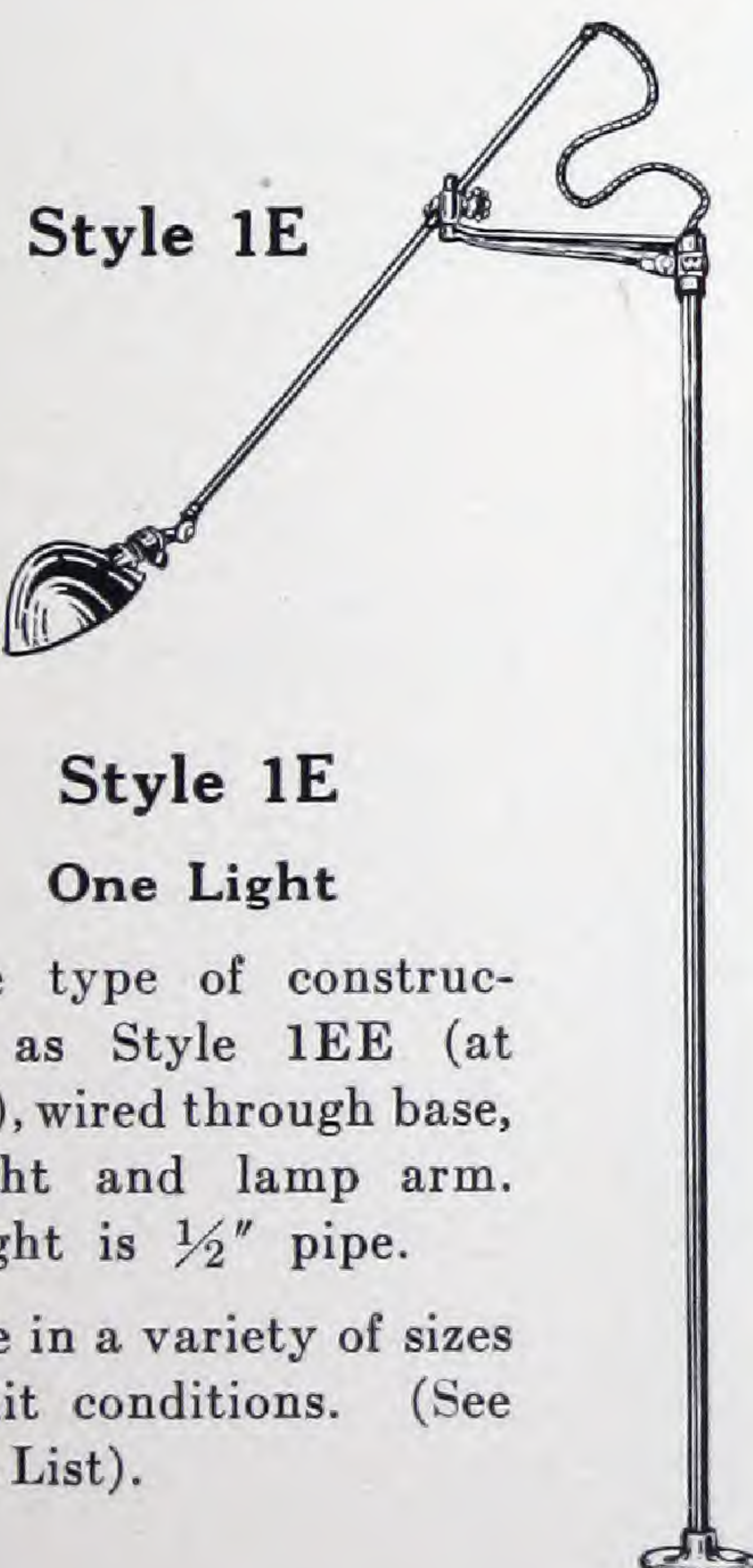


Base, Style XKC

## Garage Type

As described on the opposite page, the above Fixtures may be furnished with a special conduit system base (C) and a Plug Outlet (T). (See cuts.)

## Adjustable Floor Fixtures



Style 1E

### Style 1E

One Light

Same type of construction as Style 1EE (at right), wired through base, upright and lamp arm. Upright is  $\frac{1}{2}$ " pipe.

Made in a variety of sizes to suit conditions. (See Price List).

Especially useful for Lighting Machine Tools where there is no overhead wiring. Universally adjustable. Note the swing crank feature.

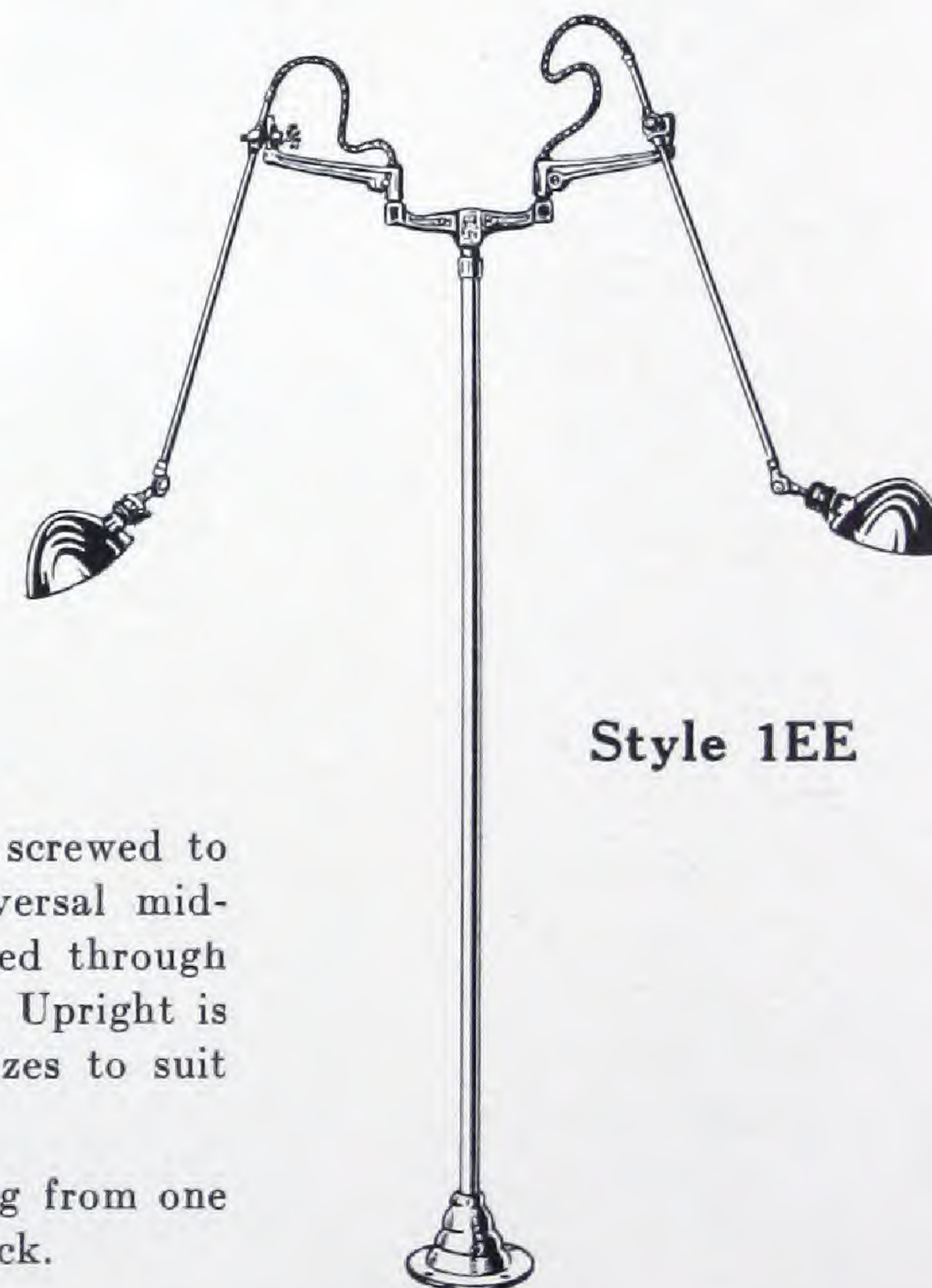
Plug Outlets (see Page 18) may be installed in these fixtures.

### Style 1EE

Two Lights

Rigid upright on substantial base screwed to floor; yoke; swing crank arms; universal mid-joints; wrist joints at lamp. Wired through base, upright, yoke and lamp arm. Upright is  $\frac{3}{4}$ " pipe. Made in a variety of sizes to suit conditions. (See Price List.)

Particularly well adapted for lighting from one outlet two machines placed back to back.



Style 1EE

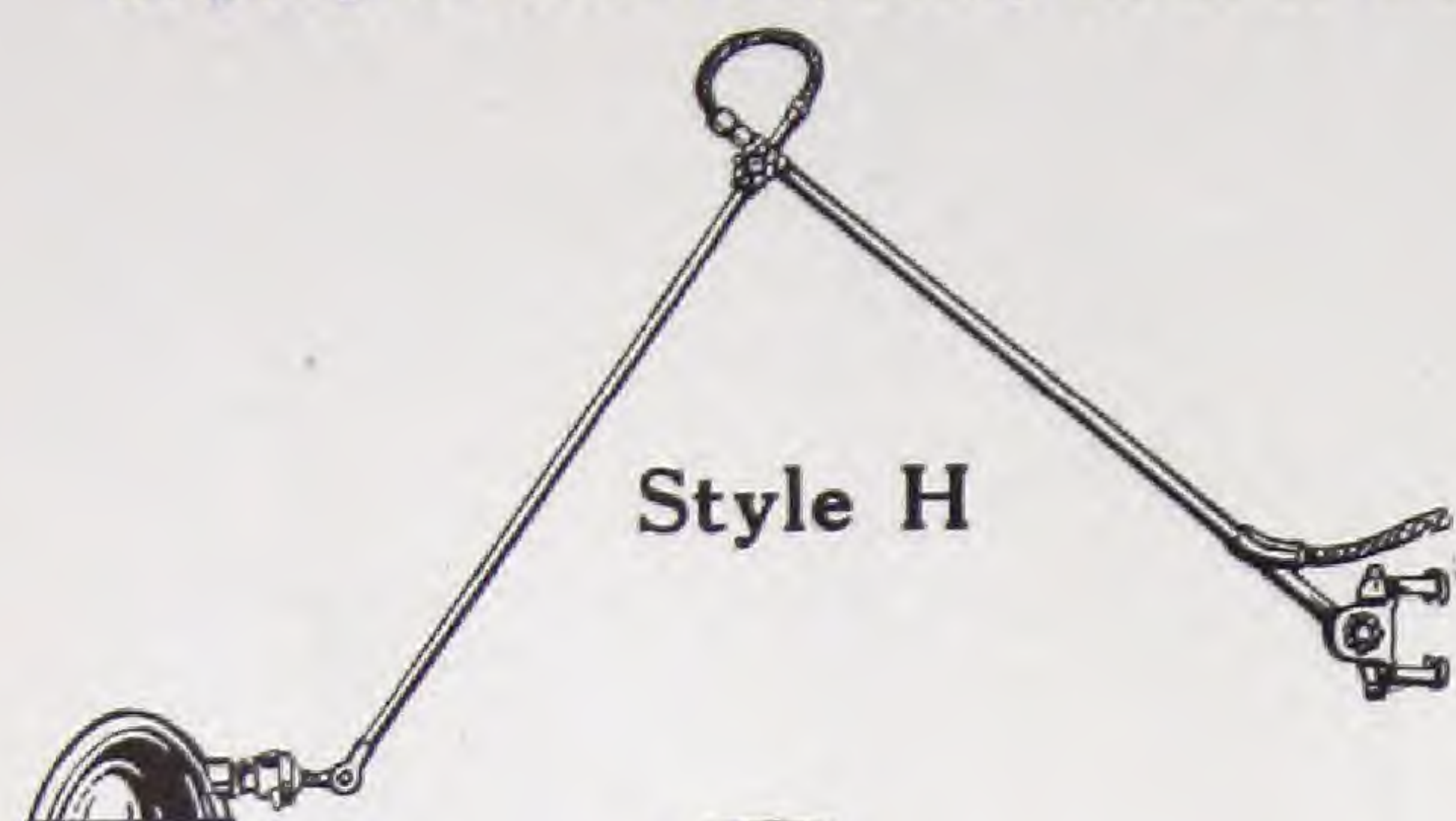
Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to insure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES AND SIZES, SEE LATEST "NET PRICE LIST"

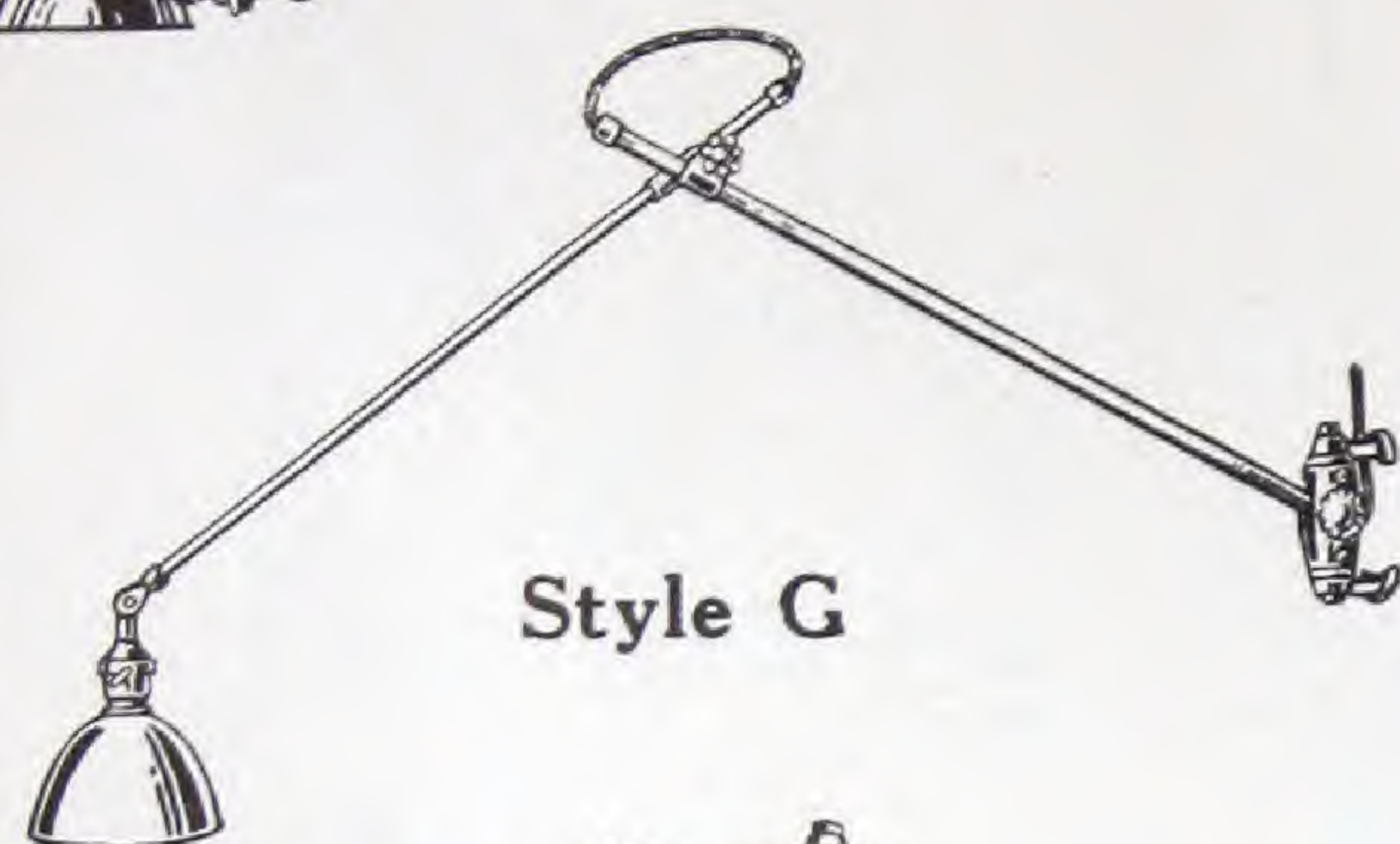


## Adjustable Wall Fixtures

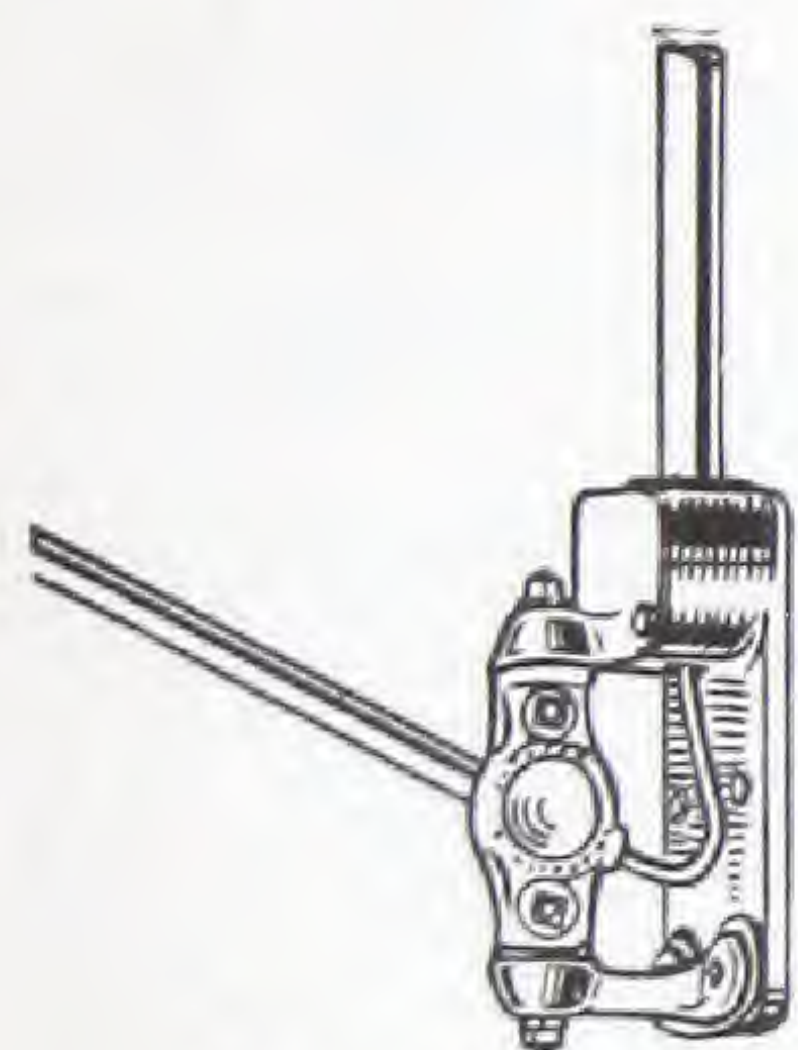
Especially adapted to the Lighting of working spaces, either floor or bench, adjacent to walls or posts. Spaced at proper intervals, every inch of working space can be covered by a light directly applied as desired.



Style H

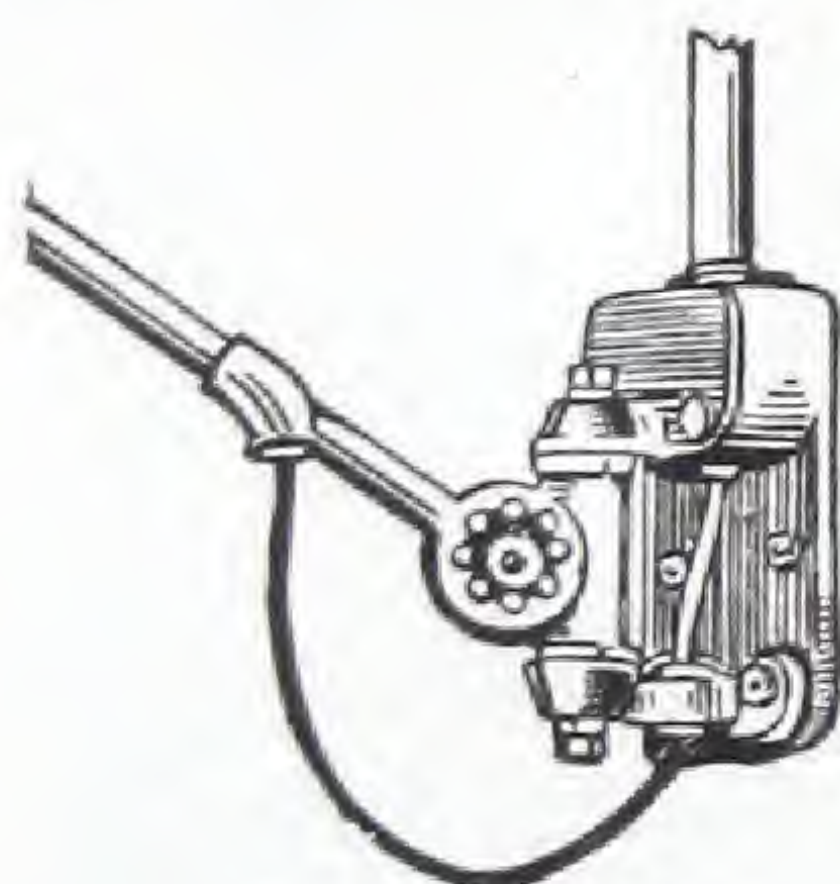


Style G

Base  
Style  
G

Style GC

Bases for Conduit Systems



Style HC

### Style H (see cut)

#### Heavy Duty Type

Off-set, swiveling, disk type of base joint, permitting angular adjustments in any direction through 180 degrees; universal mid-joint; wrist joint at lamp. Wired through both arms. Main arm is  $\frac{3}{8}$ " pipe. Made in 9 sizes (see Price List), for extensions up to 8'. For this Fixture in plated finishes, see page 13, Style HD.

### Style G (see cut)

#### Heavy Duty Type

Swiveling, disk type of base joint, permitting side swing through 180 degrees and up-and-down movement of 60 degrees; universal mid-joint; wrist joint at lamp. Wired through both arms and base.

Made in 3 weights; 23 sizes for extensions up to 14' from wall or post.

Style 1G takes  $\frac{3}{8}$ " pipe for main arms up to 6½' lengths.

Style XG takes  $\frac{1}{2}$ " pipe for main arms up to 8½' lengths.

Style XXG takes  $\frac{3}{4}$ " pipe for main arms up to 10½' lengths.

For sizes, see Price List.

## Garage Types

As with the Ceiling Fixtures for garages, etc. (pages 18 and 19), Base Type (C) is a combination conduit outlet box and base into which the conduit pipe is threaded, regular  $\frac{1}{2}$ ", optional  $\frac{3}{4}$ ", and which supports the base joint of the Fixture.

### Style GC

Same as Style G above, but with conduit-type base (see cut).

### Style HC

Same as Style H above, but with conduit-type base (see cut).

### Plug Outlet (T)

A "Plug Outlet" may be incorporated into Styles H and G Fixtures, and brings directly to the work a most convenient receptacle for electric tools such as drills, grinders, soldering irons, etc., or auxiliary "WHITE" portable light, Style SPT (see page 24).

A *fixed* light affords no control to meet changing conditions of work.

An *adjustable* light gives full control for best obtainable results.



*At left*—Application of Style XGCT Fixtures in a garage, showing Style SPT Portable (page 24) and an electric drill connected at the Plug Outlets.

Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to insure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES AND SIZES, SEE "NET PRICE LIST"



## Adjustable Wall Bracket Fixtures

A variety of Light-weight Lamp Arms of limited extension supported by Wall Brackets of a type readily mounted on wall and posts.

### Style 3DW (see cut)

8" swing crank arm; universal mid-joint; 18" lamp arm; wrist joint at lamp. An adaptation of Style 3D Bench Fixture (see page 22).

### Style KW (see cut)

2' main arm attached to bracket pin by special spring-balanced adjustable disk-joint which perfectly counterbalances weight of fixture and swings at any angle; universal mid-joint; 2' lamp arm; wrist joint at lamp. A type of fixture adaptable for use with large, heavy reflectors.

### Style 1LW (see cut)

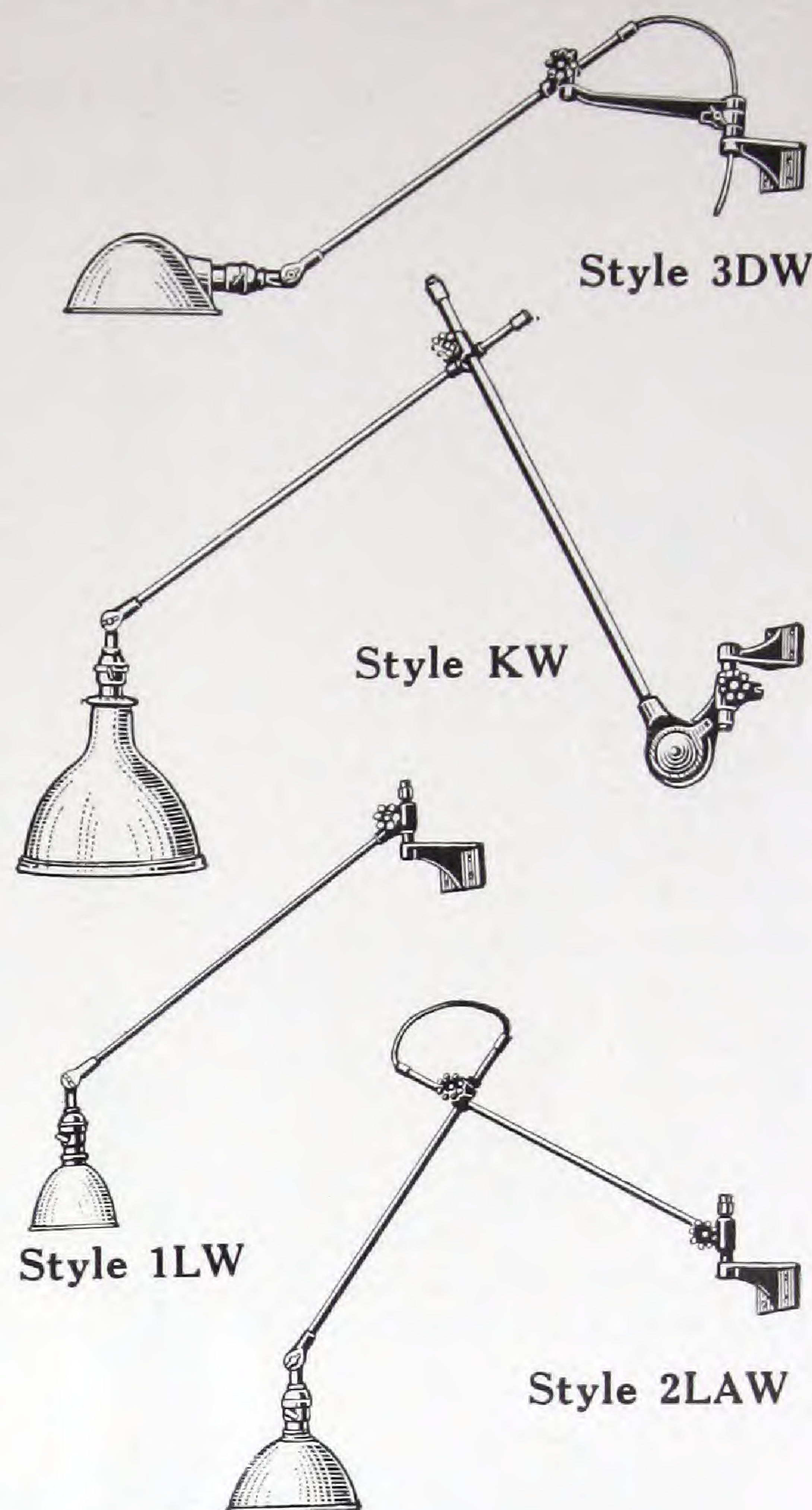
18" lamp arm connected to bracket pin by a universal joint; wrist joint at lamp. Various sizes to order.

### Style 2LAW (see cut)

Two 18" lamp arms with two universal cone joints; wrist joint at lamp. An adaptation of Style 23D Bench Fixture (see page 23).

### Style FLW (no cut)

A universal adjustable joint and "W" bracket providing for the direct attachment of socket and reflector without extension (see illustration and details page 14).



## Adjustable Bench Portable

Designed especially for Jewelers, Engravers, Etc. Very useful wherever repairs of delicate mechanisms are made.

### Style 1BP (see cut)

Bare = 1BP; Equipped\* (see cut) = R1BP; With Daylight Lens No. 100 = D1BP.

A small, sturdy portable, inexpensive but very effective; does not take up much room. Universally adjustable, concentrating the light from the exact angle required by craftsmen.

An unusual feature is the concave base, providing a safe resting place for small parts and special tools that are easily mislaid. The 18" lamp arm is telescopic in effect, due to the sliding-through feature of the supporting joint; it is universally adjustable at both ends. Base  $7\frac{1}{4}$ " in diameter, height 14", weight 8 lbs.



Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to insure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Bench Fixtures

For attachment to Work Bench or Table. Adaptable to a great variety of practical requirements in many industries



**Style 3D (see cut)**

Heavy-duty type. Rigid upright; 8" swing-crank arm; 18" lamp arm; universal mid-joint; wrist joint at lamp.

Wired through base, upright and lamp arm.

Height 24"; extreme extension 26".

For unusual mounting conditions, see "Optional Bases" page 7.

Insulating side-outlet bushing in base, 10 cents additional.



**4D  
Base**

### "D" Type Crank-Arm Fixtures

Fully adjustable, with universal sliding joint for varying the length of the lamp arm to the requirements of the work at hand.

The light may be directed from any direction or angle and at any intensity. The swinging crank-arm feature is of special value wherever goods of a bulky nature accumulate at the work; the light may be swung out of the way or as quickly replaced without readjustment of the lamp arm.

"Optional bases" (see page 7) are available to meet varying mounting and wiring conditions.

**Style 1DD (see cut)**

Two-Light Fixture, universally adjustable; 18" lamp arms, 7" swing-crank arms; 8½" yoke; 32" upright. Wired through lamp arms, yoke and upright. For unusual mounting conditions, see "Optional Bases" page 7.

**Style 4D**

Same as Style 3D but with clamp-on base (see cut) for thicknesses from ¾" to 4". This feature provides a flexibility that is greatly appreciated in most plants. A popular machine shop lighting appliance.

### "R" Type Office Standards

Same design as "D" Type, but in the **plated finishes**.

Except as to finish, Styles 3R, 4R and 1RR are the same as styles 3D, 4D and 1DD respectively.

Very useful for large desks and tables.

See page 15 for other office standards, Styles 8V and 8VV.

### Slip-Canopy Bases

For direct attachment to conduit box underneath bench. Used on Style 3DS and 1DDS.



**Style 1DDS**

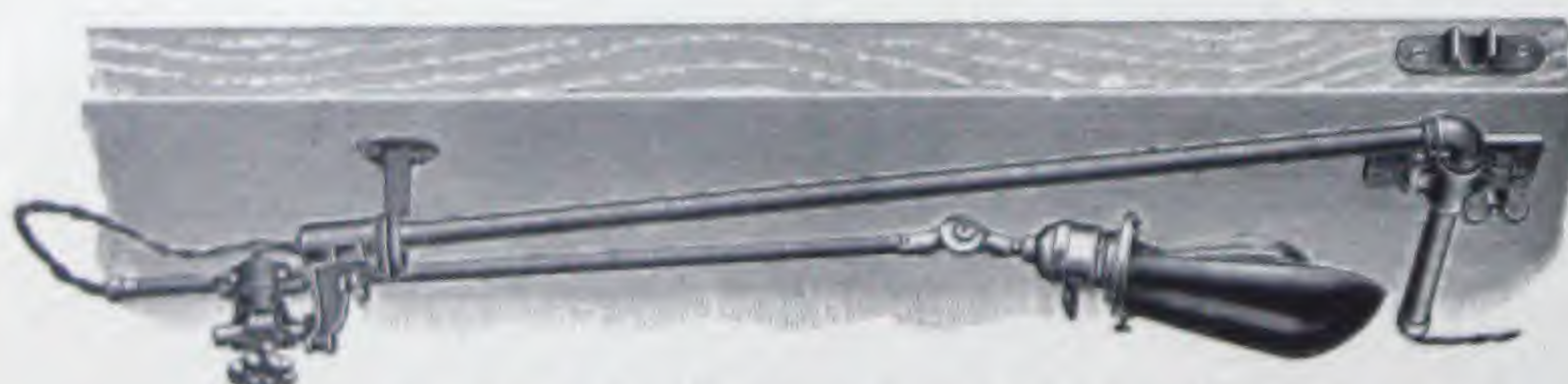
Same as Style 1DD but with Slip-Canopy Base as shown in the cut of Style 3DS.

**Style 1DD**



**Style 3DS (see cut)**

Same as Style 3D but with Base that **slips** on the upright, secured by set screw.



**Style 1N (folded under table)**

**Style 1N (see cut)**

For drafting, cutting and pattern tables.

Folds under table out of the way when not in use. Simple control and positive locking device.

Otherwise same as Style 3D.

For additional drafting table fixtures, see page 7.

Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to insure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do *not* include shades, sockets, wire or attachment plugs.

FOR PRICES, SEE LATEST "NET PRICE LIST"



## Adjustable Bench Fixtures

### Double Arm Type

Designed to provide for a greater facility of adjustment than the "D" Type. The mid-joint gives a superfine adjustability for close application of light. The clearance is ample for most kinds of work. Ideal for drafting boards (see page 7 also).

#### Style 23D (see cut)

Rigid upright 24" high. Universal joint at upright; universal and sliding mid-joint; wrist joint at lamp. Extreme extension, 36"; wired through both arms and upright. For unusual mounting conditions, see "Optional Bases," page 7. Insulating side-outlet bushing in base, 10 cents additional.

#### Style 24D

Same as Style 23D but with the clamp-on base used with Style 4D. (See cut and details on page 22.)

### Single Arm Type

A simple but effective fixture of moderate range. For vertical or horizontal attachment.

#### Style 3SA (see cut)

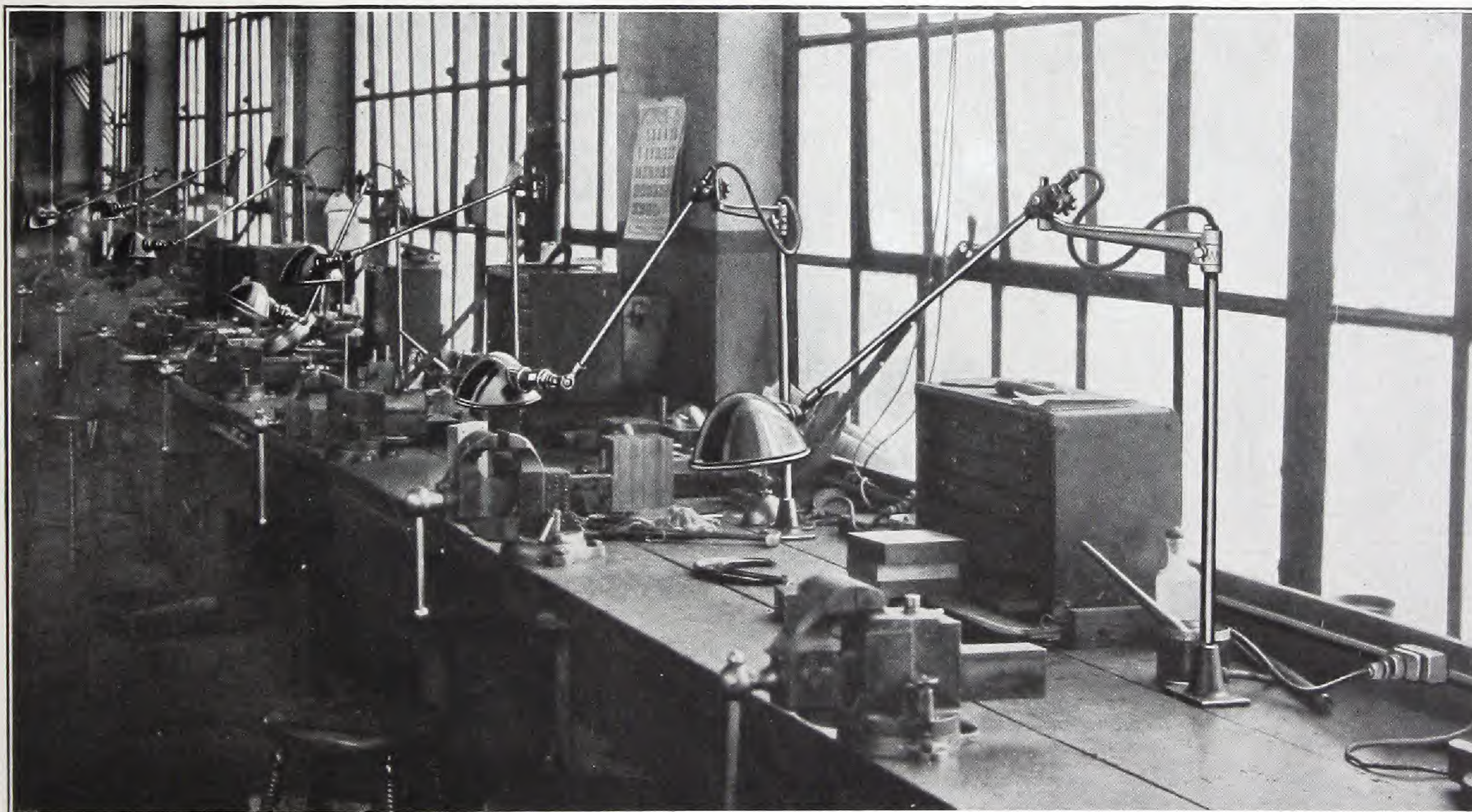
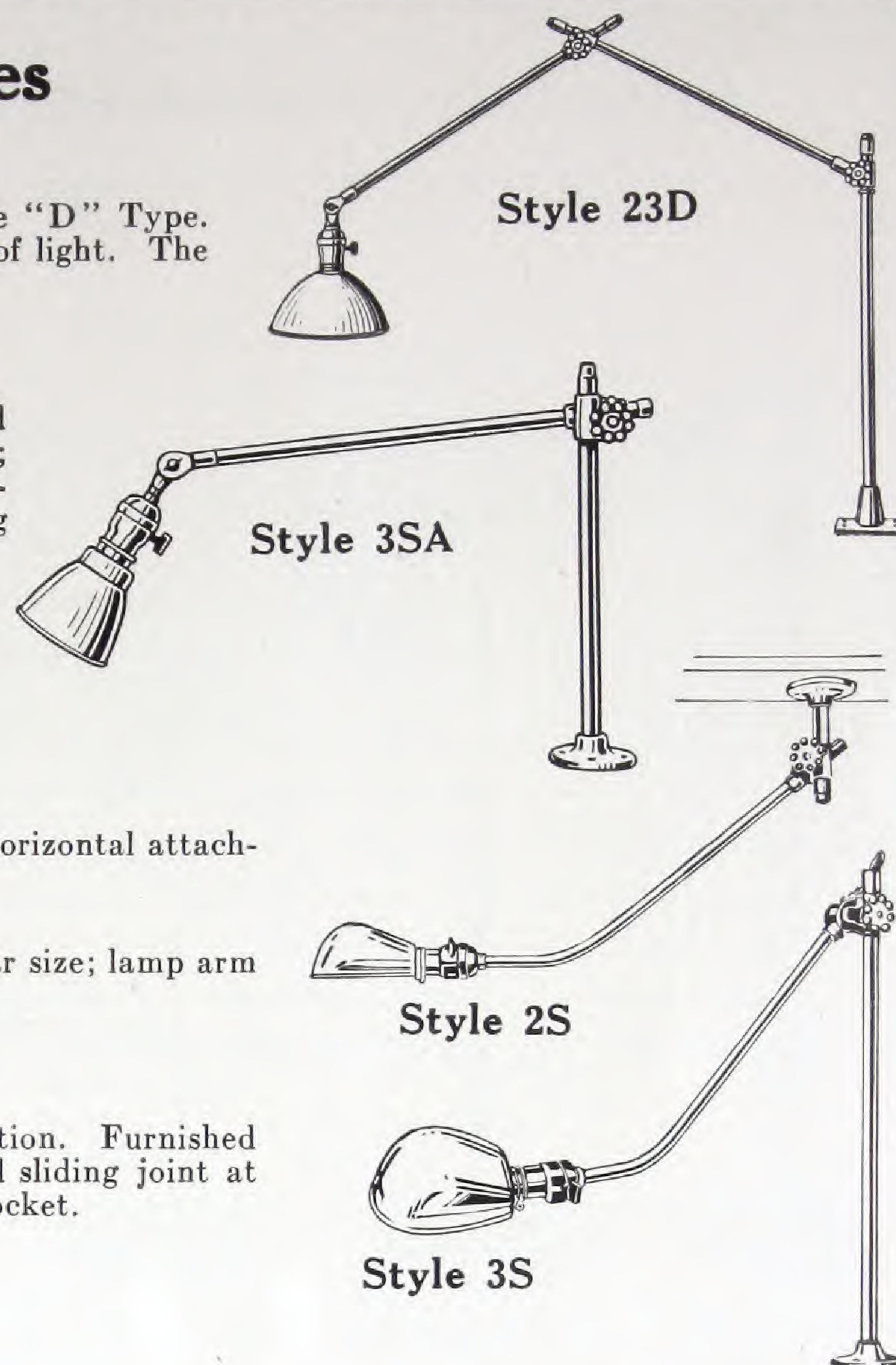
Universal-and-sliding joint at upright; wrist joint at lamp. Regular size; lamp arm 18", height 12"; base, 3" diameter. Various sizes to order. A popular fixture with the shoe industry.

#### Style 2S (see cut)

Shown attached to under side of shelf. May be used in any position. Furnished with either curved or straight arm at same price. Universal and sliding joint at stud. Lamp arm 18"; base 3" diameter; stud 3". Requires a  $\frac{1}{4}$ " socket.

#### Style 3S (see cut)

Same as Style 2S but with 18" upright. Various sizes to order.



Above—a bench in the Gillette Safety Razor Plant, equipped with Style 3D "WHITE" Bench Fixtures

Machine-Tool Builders' gray, with rust-resisting cadmium-plated lamp arms to insure proper grounding, is standard finish on above fixtures, but they can be furnished to order in any desired finish for use in hospitals, offices, etc., quotations upon request. Prices do not include shades, sockets, wire or attachment plugs.

FOR PRICES, SEE LATEST "NET PRICE LIST"



# Adjustable Industrial and Automotive Portables

Extremely useful for many purposes in any shop, plant, service station or garage.  
 Styles to meet all requirements, whether for spot or flood lighting. Note "Plug Outlet" Feature.



Style 2GPT

Style 1GP

Style 4GP

## Style 1GP (see cut) Industrial

Bare = 1GP; Equipped (see footnote) = R1GP

For broadcast flood-lighting. Gives the best possible light at minimum cost. Wide-angle reflector has full adjustability, brilliantly lighting the work. Wired through base; height 4'; lamp arm 6"; base 18" in diameter; weight 29 lbs.

### Style 1GPT

Same as 1GP but with PLUG OUTLET in upright.

## Style 2GPT (see cut) Industrial

Bare = 2GPT; Equipped (see footnote) = R2GPT

For restricted flood-lighting. Very convenient in any large plant, especially in emergencies. Excellent for millwrights. Universally adjustable reflector amply lights the floor-working area without throwing glare into the eyes of adjacent workmen. PLUG OUTLET incorporated in upright; wired through base; height 5'; lamp arm 6"; base 18" diameter; weight 29 lbs.

### Style 2GP

Same as 2GPT but without PLUG OUTLET.

## Style 3GP (no cut)

Practically a combination of Style SPT and 2GP (see illustration and details, Page 11).

## Style 4GP (see cut) Automotive

Bare = 4GP; Equipped (see footnote) = R4GP

Designed expressly for washstands. Adjustable, wide-angle reflector flood lights the entire car, particularly the running gear where it is mostly needed. Lower current consumption—soon pays for itself. Bulb is protected from spray by a special lens, readily detachable. Wired through base; height 3'; base 18" in diameter; weight 27 lbs.

## Plug Outlets (T)

An optional feature of special value with industrial and automotive portables is the incorporation of a plug outlet in the portable itself. This supplies at the work a point of attachment for electrical drills, grinders, etc., or for an additional portable light or extension cord. It is indicated by "T" following the style designation.



Style 4GP Portable in use on washstand, directing light exactly as washer requires.

## Automotive Style SPT

(see cut at right)

Bare = SPT; Equipped (see footnote) = RSPT

Unrestricted adjustability of lamp arm from any position on the upright so that light may be applied at any point under, within, or over the car. PLUG OUTLET incorporated in upright; wired through base; height 5'; lamp arm 2½'; base 12" in diameter; weight 20 lbs.

## Style SP Industrial

For any operation requiring the application of an individual light. Same as SPT but without PLUG OUTLET (see above).



All Industrial and Automotive Portables are finished in machine-tool builders' gray and rust-resisting cadmium plate working parts to insure proper grounding; available as "bare portables" (no prefix to style designation) or equipped with keyless sockets and reflectors as shown, and wired with 20' (in clear) all rubber cable and separable attachment plug. (Use prefix "R" in ordering wired and equipped.)

FOR PRICES, SEE "LATEST NET PRICE LIST"



# “WHITE”

## Adjustable Electric Light Fixtures in the Automotive Field

CEILING:	Styles AWC(T), XKC(T), and XKKC(T)	Pages 18 and 19
WALL:	Styles GC(T), and HC(T)	Page 20
BENCH:	Styles 3DS and 1DDS	Page 22
PORTABLE:	Styles SP(T) and 4GP	Page 24

### Applied Illumination

as developed by THE O. C. WHITE COMPANY is of especial value to Automobile Service Stations and Garages.

In the past, it has been common practice to overdo the general lighting in an attempt to provide good working light, and, anticipating inadequate results, to supplement this with an

elaborate system of plug outlets for the attachment of extension cords.

Such a system is expensive to install, the lighting is inefficient, current consumption is high, and the maintenance is both costly and troublesome, due to excessive lamp breakage and the continuous repairing of extension cords.

### The “White” Method

The “White” system advocates an amount of General Illumination sufficient for general lighting purposes only, in conjunction with movable lights of low wattage applied directly to the work by means of “White” Adjustable Fixtures designed with special reference to conduit wiring requirements (see application, page 20). The lamp arm of the fixture is instantly adjusted for the best lighting effect, and stays securely in position without attention to joints or fastenings, reducing to a minimum the amount of light required, and saving much time.

The availability of the light is such that it will do away with about 95% of extension cord usage. For the examination of the interior of crank-cases and transmissions, a very short extension cord may be used from the Plug Outlet on the Fixture itself.

This “Plug Outlet on the Fixture” is a most valuable feature. It gives the system great flexibility by providing at the work a most convenient point for the attachment of electric tools, such as drills, soldering irons, vulcanizers, grinders, etc., and for the occasional use of an extension cord as mentioned above. Of

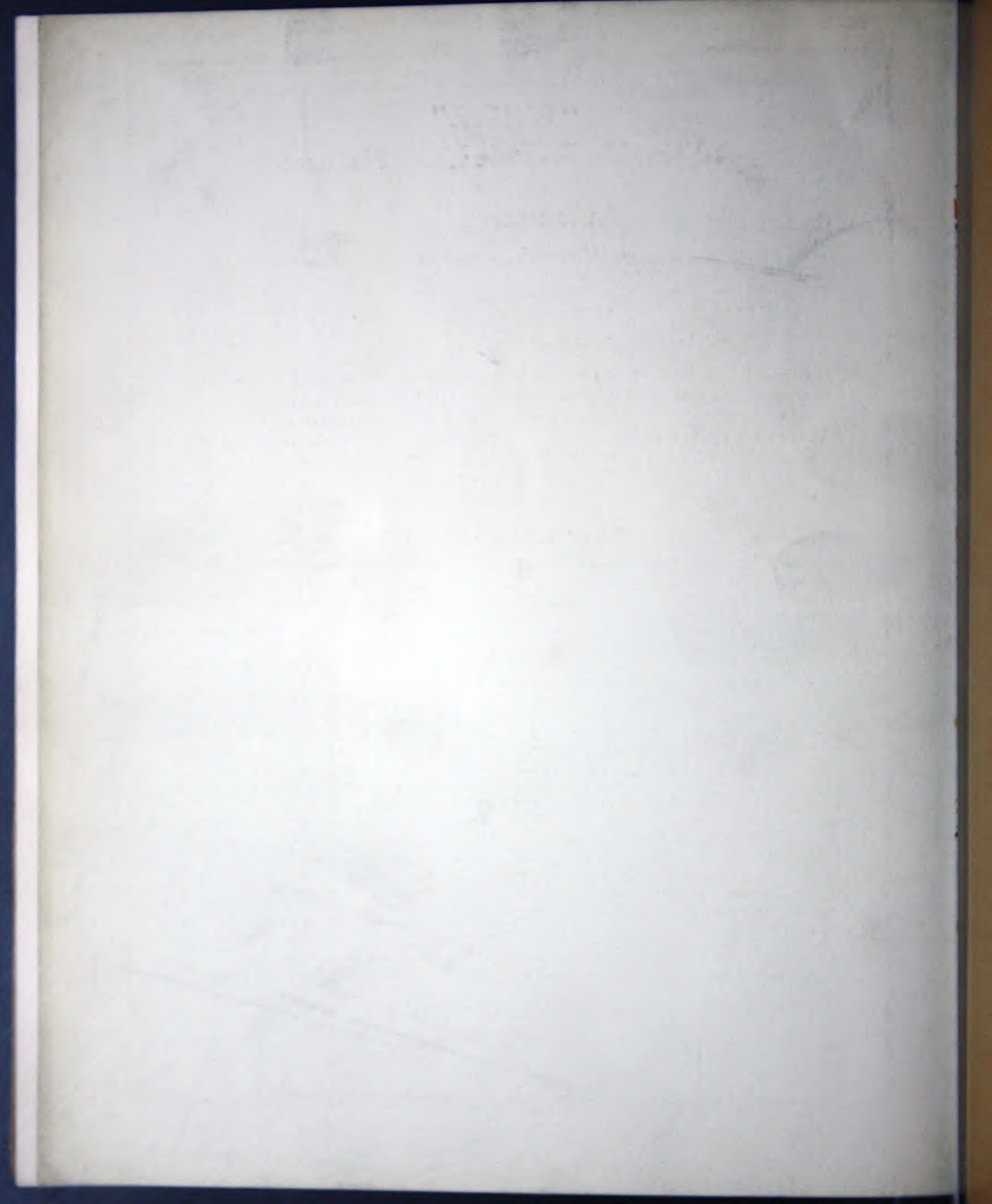
more importance yet, especially for rush work and emergencies, it also provides for the attachment of the “White” portable floor light, Style SPT (see page 24), which, besides its own efficient working light, also has its own Plug Outlet for further attachments when required. Note the application illustrated on pages 20 and 24.

Note also the benefits of using a Style 4GP (see page 24) on a washstand. Besides giving the best possible light exactly as required, the usual 800 to 1200 watts now used is reduced to 200 or less. This lower current consumption and fewer bulb replacements soon pay for the Portable.

The many advantages of the “White” system are so obvious that it will readily be seen where improvements can be made in an existing lighting equipment that will be well worth while. If new or increased facilities are being planned, the adoption of this system will give that complete satisfaction and economy that “White” Adjustable Fixtures have accomplished for many years in various industrial plants and offices throughout the country.

THE O. C. WHITE COMPANY  
Worcester, Mass.







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